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THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 138
Number 15

October 7, 1940

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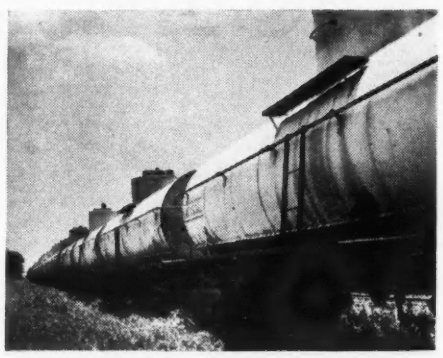

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Fats and Oils Trading Put Under U.S. Control

OPD Washington Bureau
October 3, 1940

The conference report on a bill adding fats and oils to the commodity exchange act was approved by Congress this week, and the bill was sent to the President for his signature.

The bill (H. R. 4088) places the following commodities under the act: Fats and oils (including lard, tallow, cottonseed oil, peanut oil, soybean oil, and all other fats and oils), cottonseed meal, cottonseed, peanuts, soybeans and soybean meal.

The original house bill added certain fats and oils to the commodity act. The senate amended it to include soybean oil and other fats and oils. Conferees agreed to the inclusion of all fats and oils. Discussion in Congress brought out that "all other fats and oils" referred to the fats and oils listed on the Commodity Exchange.

The bill is intended to bring futures trading in the added commodities under the regulations applying to the fourteen commodities already listed in the act. The Department of Agriculture favored the bill, claiming it will increase the price of lard 1½ cents to 2 cents per pound and cottonseed from $3 to $5 per ton. The following commodities are already under the exchange act: Wheat, cotton, rice, corn, oats, barley, rye, flaxseed, grain sorghums, mill feeds, butter, eggs, Irish potatoes, and wool tops.

The act will go into effect sixty days after its signature.

Oil Chemists' Review Research Developments

Chicago, Oct. 4, 1940

A review of the results of research tests looking toward improvement in products by the utilization of animal fats, vegetable oils and kindred by-products featured the fourteenth Fall meeting of the American Oil Chemists' Society, held in the Stevens hotel, October 2-4. Attendance included more than 200 authorities representing every phase of oil chemistry.

The meeting of the soap section was held on the opening day, with C. P. Long, of the Procter & Gamble Company, presiding. On Thursday there was a symposium on oxidation, rancidity and flavor reversion of fats and oils, with H. A. Schuette, of the University of Wisconsin, president of the society, presiding. On the closing day, the general fats and oils section convened.

L. Young, of Fritzsche Bros., New York, in a paper on "Modern Methods for Replacement of Essential Oils in the Soap Industry," stated there are fifty common essential oils which are available in the form of effective synthetic replacements. Oil of bergamot is an outstanding example of importance of this type of work to the soap perfumer, he said. It normally is obtained almost exclusively from the Italian peninsula, and accordingly is now unavailable because of war

—Continued on page 56

Phila. Drug Exchange Outing October 16

Philadelphia Drug Exchange will hold an outing at the Cedarbrook Country Club, October 16. Dinner will be served at 7 p.m., after which there will be entertainment and awarding of prizes for golf. The charge is $3 per person, including everything with the exception of green fees of $1.50 for those who play golf. Reservations are in charge of R. G. Anderson, Merck & Co., 1649 North Broad Street, Philadelphia.

Chemical Exports Open to 25 Lbs.

OPD Washington Bureau
October 2, 1940

The division of controls of the Department of State today notified Collectors of Customs as follows:—

Effective immediately, no license will be required for the exportation of chemicals, of any grade or quality, in quantity not exceeding 25 pounds in any one shipment.

No limitation has been set on the number of such shipments that may be made by any single exporter, but this relaxation is intended only to relieve exporters of the necessity of obtaining a license for these small occasional shipments. In the event that you become aware that a single exporter is shipping substantial quantities in small parcels, it is requested that you notify this division immediately, refusing to permit exportation pending instructions from the department if this procedure seems to you justifiable.

Please be informed that the term, "Chemicals," as used above is not to be construed as including quinine. This drug is to remain under the existing licensing requirement.

F.T.C. Order Hits Marketing of Glucose

OPD Washington Bureau
October 2, 1940

Anheuser-Busch, Inc., St. Louis, has been ordered by the Federal Trade Commission to cease and desist from price discriminations in violation of the Robinson-Patman act in the sale of glucose or corn syrup unmixed which is purchased by candy manufacturers.

Between June 19, 1936, and August 1, 1937, according to commission findings, the respondent sold such syrup at higher delivered prices per 100 pounds to purchasers located in certain cities other than Chicago and Danville, Ill., than it had sold such syrup in containers of like size and type to Chicago and Danville purchasers; and between September 14, 1937, and the present time, the respondent has sold syrup to Danville purchasers and to others located outside of Chicago at higher prices per 100 pounds than it has sold such syrup in containers of like size and type to Chicago purchasers.

The higher prices at which the syrup was sold to purchasers in cities other than Chicago were not uniformly higher than the prices at which it was concurrently sold by the respondent to Chicago purchasers, ac-

—Continued on page 37

N.W.D.A. Urges Members To Study Aids for Retailers

White Sulphur Springs, Oct. 2, 1940

Wholesale druggists were urged to give intimate study to needs and means of providing better vocational and commercial education for retailers in the summation by the board of control of the National Wholesale Druggists Association of the ideas presented by President George V. Doerr in the organization's sixty-sixth convention which closed here today. The wholesalers were asked also to study a proposal that the association establish a public relations committee.

Provision was made to furnish members of the association with early opportunity to peruse studiously the contributions Dr. E. L. Newcomb, executive vice-president of the association, and H. W. Prentis, jr., president of the National Association of Manufacturers, made to timely topics in addresses to the convention. Dr. Newcomb addressed himself in particular to "Fair, Lawful, and Equitable Distribution"; Mr. Prentis ably set forth constructive thoughts on the necessity for maintaining the tripods of freedom represented by long-cherished rights of the individual in his various undertakings.

Data on distribution in respect of methods and trends were presented by a number of committees. One suggestion which appeared to get a deal of favor and which was backed up by other contributions of statistical data was that manufacturers might find it beneficial to consider the actual value of deals in comparison with reductions in list prices.

Cooperation in Defense

The convention adopted resolutions pledging the association to full cooperation in the national defense and urging its members to guarantee the re-employment of all employees entering into defense service, whether as volunteers or under selective draft. Further extension of employee security plans was recommended to the members as potential of mutually beneficial improvements in employer-employee relations.

P. A. Hayes
New N.W.D.A. President

Early completion of the first volume of a sales management guide was announced to the convention, and care-

—Continued on page 50

DCAT Fall Meet To Include Golf

Really as a matter of course golf will be a feature of the Fall assembly of the Drug, Chemical and Allied Trade Section of the New York Board of Trade at Skytop, Pa., October 18 and 19. But, as it was last year, the golfing has been set for the forenoons of the two days. The qualifying round will be played October 18; the tournament is scheduled for the next day.

Handicaps will be allotted on the basis of qualifying rounds, but no net score will be counted at less than par. The rules and regulations have been worked out for the men's play and the women's play in the light of former year's experience by V. E. Williams and Mrs. J. H. McShane, assisted by Mr. McShane and Joseph Huisking.

There will be twenty-three prizes in the tournament—six for kickers' guesses and seventeen for actual achievements ranging all the way from lowest gross score to closest to pin on the short eighth hole.

Strategic Minerals Search Fund Increase Voted

OPD Washington Bureau
September 23, 1940

An intensive search for strategic minerals is indicated by increased funds voted the Bureau of Mines today by the House in the civil functions appropriations bill (H.R. 10539).

At hearings on the bill, specialists of the Bureau of Mines testified they are exploring for mineral deposits in the following areas:—antimony, California and Idaho; manganese, California, Nevada, New Mexico, Arizona, Virginia, Washington, Montana, and Arkansas; mercury, California and Nevada; nickel, Montana and Nevada; tungsten, California and Nevada; tin, Virginia; and chromium, Montana. They declared they are optimistic about finding important deposits of tungsten, chromium, and mercury, not so sure about manganese and antimony, and pessimistic about nickel and tin. They disclosed that four mining engineers are being sent to South America to aid local governments in uncovering metal deposits.

Funds were devoted to experiments in the electrothermic reduction of magnesium from magnesite. It is claimed the resulting metallic magnesium will displace aluminum, and will sell at about 10 cents per pound where aluminum now sells for twice as much. An inferior metallic magnesium is now being made near Lake Michigan, but it is produced from salt brine and costs more than aluminum.

German Business Tieup Probe Dodged by Senate

OPD Washington Bureau
September 30, 1940

A vote on Senator Wheeler's resolution to investigate German interests in American industry was blocked in the senate today on the grounds that the inquiry might injure, rather than aid, the defense program.

Senator Warren R. Austin of Vermont objected to consideration of the resolution declaring it was of such importance that it should be discussed more adequately before its adoption. He stated that on the surface the inquiry appears favorable to the national defense, but that it has internal evidence of having directly the opposite effect.

Senator Burton K. Wheeler of Montana defended the resolution and said hearings had already been held and that the Department of Justice favored the adoption of the resolution. Unless the resolution is adopted, the senator warned, he will discuss on the senate floor the methods whereby German and Japanese concerns are being informed by American companies of matters pertaining to the national defense.

The resolution, introduced by Senator Wheeler last week, calls for an inquiry into alleged foreign domination of certain American companies, including drug, chemical, and metal companies.

Closing Markets

London Closing Cable

LONDON, Oct. 4, 1940

Quicksilver quotations were £2 10s. lower at £50 to £54 10s. per flask.

Resublimed Iodine Down

Iodine, resublimed, U.S.P., was reduced to $1.75 per pound, late Friday. Potassium iodide, U.S.P., was lowered to $1.20 per pound at the same time.

Cottonseed Oil Easier

Refined cottonseed oil futures were easier Friday on local liquidation and hedge selling. March closed at 5.57c. and May 5.65c. Crude oil and other cottonseed products were quiet in Southern markets. Soybeans were lower in Chicago.

N.Y. Display Ad Tax Group to Meet October 7

Highly successful in its first attempt to persuade the city to modify its interpretation of the new municipal tax on display material in retail stores, the Greater New York Advertising Display Committee will meet at the New York Board of Trade office today to map further campaigns in combatting the tax.

In a conference with members of the committee, wholesale and retail tobacco dealers and the Chamber of Commerce of the State of New York, William Reid, city collector, clarified the city's position. On display signs inside the store there will be no tax unless there is a contract between the manufacturer and retailer pursuant to which the latter receives pay for displaying the sign, he said. On outside signs, where the sign dominates the premises, there is a presumption that such an agreement exists. Many manufacturers originally understood the new regulations to mean that all advertising signs were taxable.

The regulations, a new application of the occupancy tax levied in 1938 to raise money to finance public housing, will affect only signs that are up for at least 30 days, Mr. Reid said, but will not affect placards, stickers, calendars and every variety of paper and cardboard signs seen in confectionaries, groceries, cigar stores and department stores. He said there would be no tax on small electric or neon signs placed by manufacturers in windows or inside stores, so long as the merchant paid for the electric power operating the sign.

Varnish with Less Linseed Developed in Germany

OPD Washington Bureau
September 25, 1940

A new varnish product called 'Eistan Firnis,' with a reduced content of linseed oil, has been recently developed in Germany. The preparation is intended to displace the genuine linseed oil varnish for exterior surfaces exposed to the weather, reports the American consulate-general in Germany.

The product is said to contain 50 percent fatty oil and a large amount of volatile solvent. The government has rendered compulsory the use of the preparation for all exterior surfaces, except those to which red lead primary coat is applied, for which genuine linseed oil may still be used.

The product is reported sufficiently siccative by itself and as a processed stand-oil product reveals good drying properties so that the addition of a special siccative is unnecessary. Drying time is about the same as that for the pure varnish. Surface coatings formed by the 'Eistan Firnis' are more weather-resistant than genuine linseed oil stand-oil coatings.

Tanners Council to Meet In Chicago Oct. 17-18

The twenty-fourth annual meeting of the Tanner's Council of America will be held October 17-18 in the Palmer house, Chicago. On opening day there will be a round-table discussion on the "World Survey of Hides, Skin and Leather," with Everett W. Pervere, of Howes Bros. Company, as chairman. Principal speaker will be Everett G. Holt, head of the leather and rubber division of the Department of Commerce,

—*Continued on page* 35

Chemical Prices Higher

The squeeze of shrunken supplies was an influence again last week in the markets for heavy and fine chemicals, and the resulting several price advances raised the average noticeably. Tin was the only metal in the movement.

Monthend slackening of orders was aggravated by the fact that the period marked the turn of a quarter also. The new quarter was generally regarded as one of continued activity, and there was some early booking as far ahead as next year. Guessing eventualities was overridden by evidence of things as they are.

Prices were advanced on Straits tin, tetrachloride of tin, saltpeter, crude nitrate of soda, Caucasian dioxide of manganese, Japanese menthol, plain and specially denatured alcohols, high and low grades of gum rosin, gum turpentine, cocoa butter, and cottonseed meal in the Southeast.

Prices were reduced on plain and sulphonated castor oils, medium grades of gum rosin, and bonedry shellac.

The REPORTER's composite index number of prices for heavy and fine chemicals went up to a new high of 130.3 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100) the REPORTER's index number is now 92.2, compared with 90.4 at this time last year and 88.8 in 1938.

Contents of This Issue

News and Statistics

Antitrust Damages Ruling Asked.... 31
A.Ph.M.A. Committees Appointed... 58
A.C.S. Papers..... 58
American Cyanamid Plastics Honored 30B
Acheson Colloids Reorganized..... 56
Benzoate Preservative Coatings Tested 31
Chemical Exports Open to 25 lbs.... 3
Chemists' Photo Exhibit Set..... 29
Chemical Salesmen to Vote on Membership Amendment..... 29
Craven Heads Coopers Creek Sales 37
Chemists' Census Being Taken..... 45
Caustic Soda Handbook Issued by Michigan Alkali 38
Continental Can Co. Photograph..30B
Chicago Paint Club Hires Convention Train 30B
Chicago Buyers to Open Show..... 4
Copper, Lead, Zinc Price Boosts Assailed 5
Chemical Corporation Incomes: 1938 5
Cinchophen Retail Sale Restricted. 48
Chemurgy, Dairy Industry (Atwood) 61
Chemical Workers Status Defined... 61
Commercial Solvents Making Riboflavin 31
Chemical Study Finished..... 31
DCAT Outing to Have Golf..... 3
Dutch Indies Spice Control Urged. 52
Drugs Donated to Britain..... 48
Elkins Act Test Case Planned..... 5
Eyelash Dye Purveyor Sentenced... 37
Enamel Hairlining Effects Discussed 60
Exporters Discuss India Trade..... 54
F.T.C. Hits Glucose Marketing..... 3
Fats and Oils Trading Controlled... 3
Fertilizer Conferences Set..... 57
Formic Acid Salts Described..... 30
German Business Tieup Probe Dodged 3
Haeseler with Herstein, Inc..... 30
Leather Chemists' Group to Meet... 35
Louisville P.V.P.C. Hears Paul.....30B
Menchaca with Glasson..... 35
McClayton Heads Baltimore Paint Club 45
Margarin Production: August 45
Mineral Leases Get Court Review.. 45
Match Industry Wages Rise..... 38
Merck Formulates Draftee Plan..... 50
McNair Observes Thirtieth Year with National Lead..... 60
Mexican Oil Bill Defeated..... 31
N.W.D.A. Members Urged to Study Retailer Aids..... 3
N.Y. P.V.P.C. to Meet.....30B
N.P.V.L.A. Convention to Hear Jones 5
New York Display Tax Group to Meet 4
Oil Chemists' Review Research..... 3
Pittsburgh Plate Glass Business Gains 42
Paint, Varnish, Lacquer Sales..... 42
Phila. Drug Exchange to Picnic..... 3
Potash Residue Rate Set..... 57
Paul & Co. Leases Building..... 52
Phthalic Anhydride Freights Change 38
Plastic, Water Paint, Calcimine Sales 30B
Penberthy Retires 30B
Paint Merchandising Course Offered.30B
Paint Industry Wage Minimum Suggested 5
Paint Failures Fewer..... 60
Pharmacopeia for Colombia..... 58
Paint Data Presented..... 31
Reynolds Metals Attaches Aluminum Shipment 38
Strategic Materials Fund Increased. 3
Steel Barrel Output Up..... 37
Stegner Transferred 45
Sulphuric Rates Cut..... 38
Solvent Recovery Discussed..... 50
Swirles Wins Buffalo Golf Cup..... 60
Soybean Oil Use (Hamilton)..... 31
Silk Soaking Agent Offered..... 35
Tanners' Council to Meet..... 4
Tung Grove Stock Blocked by SEC.. 4
Textile Auxiliary Offered by General Dyestuff 58
Toilet Article Exports: August..... 54
U.S. Plywood Markets New Adhesive 37
U.S. Seeks A.P.I. Dissolution..... 5
U.S.S.R. Largest Producer of Rubber Substitutes 58
Uhrbach Heads Pittsburgh Paint Club 31
Varnish with Less Linseed Developed in Germany..... 4
Water Freight Control Vested in D. of C. 45
Washington Paint Club Re-elects...30B
Weekly Wage Held Legal..... 5
Wage-Hour Records Hearing Set... 5
Wood Naval Stores Curtailment Argued 5

General Features

Advertisers' Index 63
Bids Wanted..... 62
Chemical Price Trends..... 4
Classified Advertisements..... 62
Closing Market Developments... 4
Contracts Awarded..... —
Corporation Earnings..... —
Dividends Declared..... —
Editorials 26
Foreign Trade Openings..... 31
Foreign Trade Rules..... 60
Industrial Uses of Chemicals..... 34
Obituaries 45
OPD Forum..... 4
Petroleum Market Status..... 55
Petroleum Production..... 55
Prices Current..... 7
Scientific, Professional Services... 54
Trade News Briefs.....25. 29. 37. 42
What You Can Use..... 52
Where You Can Sell..... 34

Market Reports

Botanical Drugs, Spices, Gums... 51
Coaltar Chemicals..... 36
Drugs and Fine Chemicals..... 47
Dyestuffs, Textile and Leather Chemicals 35
Essential Oils and Aromatics.... 53
Fertilizer Materials..... 57
Heavy Chemicals..... 28
Oils, Fats and Waxes..... 43
Paint, Varnish and Lacquer Materials 39
Petroleum Solvents, Lubricants, and Fuels 55

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 60
Exports 60
Imports 59
Imports Detained..... 60

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OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized; but publication of a signer's name will be withheld at request.)

Domestic Tung Outlook

Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

American Tung growers are preparing to harvest their first million-dollar crop of tung nuts. A few nuts are already mature and beginning to fall, with the bulk of the crop probably maturing in the next two weeks.

I have just returned from a trip through the tung sections of Georgia, west Florida, Alabama, Mississippi, and Louisiana. Most of the groves I saw were maturing a bumper crop of fruit, and many had made a satisfactory terminal growth, a requisite for a good crop next year. I heard estimates of the South's tung production ranging from 5,000,000 pounds to 10,000,000 pounds of oil.

Tung plantings are made over a large area of the lower South, in tracts ranging from a few acres to thousands of acres. It's difficult to strike an average production which will cover all locations and all ages of bearing trees. To produce 5,000,000 pounds of tung oil will require approximately 12,500 tons of whole dry fruit. Fifty thousand acres of grove producing 500 pounds of fruit per acre will give this tonnage. (It is conservatively estimated that there are 175,000 acres of tung trees now planted in the South.)

I visited a number of groves which appeared to have better than a ton of fruit per acre. Undoubtedly the estimate of 5,000,000 pounds of oil is a safe one. With oil today quoted at better than 25 cents per pound, this would represent a gross return to the miller of more than $1,250,000. Tung oil is going to be an increasingly important money crop for the South.

J. B. WIGHT,
President,
American Tung
Oil Association.

Cairo, Ga.
October 1, 1940.

Tung Grove Project Blocked by SEC

OPD Washington Bureau
September 30, 1940

A registration statement filed by American Tung Grove Developments, Inc., was suspended today by the Securities and Exchange Commission on the grounds that it included untrue statements of fact and omitted to state facts without which it was misleading.

The company had offices in Gulfport, Miss., and its business is the development of land to be cultivated for the growth of tung trees. The registration statement covers an offering of contracts for the sale and development of 5,000 acres of land to be used for cultivation of tung trees and to be sold at $120 per acre.

The commission charged false statements about the suitability of the land for tung-tree cultivation and about qualifications of the officials in growing the trees, as well as failure to state that the business was operated as a family proposition chiefly to make a living for the chief stockholder. Almost all the stock is held by H. E. Livermore and members of his family.

Chicago Buying Agents Open Exhibit Nov. 13

Chicago, Oct. 4, 1940

The Purchasing Agents Association of Chicago will hold its twelfth annual products' exposition November 13-14 at the Sherman hotel. The exposition will offer a display of new products, processes and services by members of the association.

Following the luncheon on opening day, at which Donald McGibeny, NBC commentator will speak, the E. I. du Pont de Nemours & Co. sound and color film, "A New World Through Chemistry," will be shown. The exposition will be closed by a banquet at which Whiting Williams, national industrial consultant, will speak on "What Are Workers Working For?"

N.P.V.L.A. Convention To Hear Jesse Jones

OPD Washington Bureau
October 1, 1940

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, announced today the official business program, tentatively, and as far as it has been completed, for the fifty-second annual meeting of the organized industry, to be held in Washington at the Mayflower hotel, October 30-November 1, immediately following the annual meeting of the Federation of Paint and Varnish Production Clubs.

An outstanding feature of the opening day of the convention, following the sessions at the Mayflower hotel, will be the dedication of the new national headquarters building at 1500 Rhode Island avenue N. W., to which the designation of Gregg Memorial Building has been transferred from the previous headquarters building. Jesse H. Jones, Secretary of Commerce and chairman of the Reconstruction Finance Corporation, will deliver an address. The other speakers on the dedication program will be announced later. There will be a reception and a review of the building. The schedule of executive and group meetings for the convention which will be preceded on Tuesday.

—*Continued on page 30B*

Paint Industry Wage Minimums Suggested

OPD Washington Bureau
October 3, 1940

Minimum wages to be paid by manufacturers of paints and varnishes in filling orders for the Federal government were discussed at a hearing today before the Public Contracts Board of the Department of Labor, acting under the Walsh-Healey public contracts act.

The only factual evidence relating to present prevailing wages was presented by the research staff of the division in the form of a compilation of replies to a questionnaire sent by 380 manufacturers giving the number of employees in various hourly wage brackets.

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, pointed out that this survey showed that all but 2.32 percent of the 14,212 employees covered received 40 cents an hour or more, and he asked that this figure be set as the prevailing minimum. He added that this figure coincides with the 40-cent statutory minimum for all industry scheduled to go into effect in 1945, but he suggested that a differential should be made for plants in the South which might want to take government orders for more than $10,000, the figure above which the Walsh-Healey act applies.

Samuel E. Hill, research assistant for the American Federation of Labor,

—*Continued on page 30B*

Weekly Wage Not Against Trust Laws

OPD Washington Bureau
October 2, 1940

The Department of Justice today made public a letter written by Assistant Attorney-General Thurman Arnold in charge of the antitrust division in reply to an inquiry as to whether an agreement between a local labor organization and an employer in the construction industry to establish weekly wages in place of daily or hourly wage rates would conflict with provisions of the antitrust laws.

Mr. Arnold took the view that such agreements do not conflict with the provisions of the antitrust laws so long as they tend to promote rather than restrain trade. Mr. Arnold held that a proposed weekly wage arrangement might result in more employment and higher annual earnings of workers and at the same time lower labor cost and promote building activity. Mr. Arnold also pointed out that the antitrust laws specifically exempt concerted labor activities which serve the objects of labor by reasonable means and stated that regularization of employment based upon greater volume of

—*Continued on page 38*

Wood Naval Stores Curtailment Argued

OPD Washington Bureau
October 3, 1940

A proposal to restrict production of wood turpentine and wood rosin was discussed here yesterday and today at a conference between officials of the Forest Service and the Agricultural Adustment Administration and representatives of producers of both wood and gum naval stores.

The proposal grows out of the fact that for several years the Department of Agriculture has had a conservation program which has curtailed output of gum naval stores, while the Commodity Credit Corporation has made loans on gum turpentine and rosin to stabilize the price. At the same time production of wood naval stores has increased, and both department officials and gum producers feel that unless some curb is put on the wood branch the gum programs cannot be continued indefinitely.

Participants in the conference were reluctant to discuss the matter, but it is known that no agreement was reached, though further conferences may be held later. The discussion revolved around the possibility of an AAA marketing agreement under which each wood producer would have an annual marketing quota. This could be done by construing wood naval stores to be an agricultural commodity since they come under the Federal naval stores act like gum rosin and turpentine.

Copper, Lead, Zinc Price Boosts Assailed

OPD Washington Bureau
October 1, 1940

The nation's full requirements for the next several months affords no justification for the recent unstable price situation in the copper, zinc, and lead industries, declares Leon Henderson, National Defense Advisory Commissioner in charge of price stabilization. Recent flurries in the prices of these metals, he attributes mainly to the desire of some consumers to cover all their long-term requirements at current prices. Some overreaching by sellers was observed also. Certain firms which already have seven to eight months' supply of metal have been in the market, as well as certain foreign countries.

Despite this temporarily inflated demand, there are ample stocks, Mr. Henderson says, and domestic supplies can be increased if necessary by several means. For example, Great Britain and Canada can easily supply zinc and copper needed for their armament orders in this country and the extent to which this will be required depends upon the pressure which develops on our own markets. Furthermore, refining capacity for zinc and copper is on the increase and there are several possible ways in which capacity could be readjusted. In view of these facts he feels that there is no reason now why every demand cannot be met adequately.

Mr. Henderson said that profits of these industries have been ample in recent months and costs do not seem

—*Continued on page 30B*

U.S. Seeks A.P.I. Dissolution In Suit Against 22 Oil Firms

OPD Washington Bureau
September 30, 1940

Dissolution of the American Petroleum Institute and injunctions restraining twenty-two major oil companies and their subsidiary and affiliated companies from engaging in practices alleged to violate the anti-trust laws were asked in a suit filed by the Department of Justice today in the United States District Court for the District of Columbia.

The department charges that the twenty-two companies and their associated concerns constitute completely integrated units which work in concert to control production of crude oil, refining operations, crude oil prices, transportation rates, wholesaling operations, and retail marketing. A summary of the allegations contained in the complaint follows:—

That the defendants have conspired to fix and maintain uniform, noncompetitive prices to be paid by them for the crude oil purchased from independent producers, and to be charged by them for crude oil sold to independent refiners. It is alleged that prices agreed upon to be paid for crude oil purchased from independent producers are posted by one of the defendants and followed by the others, and that in fields where independent refiners compete with the defendants in the purchase of crude oil higher prices are fixed, thus putting the independent refiners at a competitive disadvantage and driving them from the market.

Through their activities, defendants control practically all of the supply of crude oil available for refining; hence, independent refiners, most of whom do not have independent sources of crude oil, are compelled to purchase all or a large part of their requirements from the defendants at prices fixed by agreement, thereby placing independent refiners at a substantial price disadvantage.

Output Restricted

That defendants have conspired to restrict the production of crude oil and the manufacture of petroleum products. These restrictions, it is alleged, are accomplished in part through a system of reports made to the American Petroleum Institute covering the amounts and locations of all stocks of petroleum products owned or held by each of the defendants.

From these reports the institute is able to make suggestions as to the amounts of petroleum products which should be manufactured and maintained in storage. These amounts are less than the amounts which would normally be produced and manufactured.

It is alleged that the institute's suggestions are adopted by the defendants, thereby accomplishing the restrictions.

It is charged that the defendants have agreed to receive in their crude oil gathering lines from independent producers who are dependent upon such lines for transportation, less crude oil than the amounts which such independents would normally produce thereby reducing the amount of crude oil produced by the independent producers.

That the defendants who control pipeline gathering systems leading from producing well to their own crude oil trunk pipelines, have conspired to compel those independent producers who have no other practical means of transportation to competitive markets, to sell crude oil to the defendants at the well rather than permitting the independents to use such lines on a common carrier

—*Continued on page 58*

Wage-Hour Records Get Hearing Oct. 17

OPD Washington Bureau
October 1, 1940

In response to requests from several large industries that the record-keeping rules under the fair labor standards act be further revised the Wage and Hour Division of the Department of Labor will hold a public hearing on this matter October 17 at 10:00 a.m., in room 3229 of the Labor building.

Dr. Gustav Peck, assistant director of the hearings Branch, will preside at the hearing, called, in the language of the official notice, to determine "what, if any, amendments should be made to regulations, part 516 in respect to the records to be kept by employers of persons employed, wages, hours, and other conditions and practices of employment."

Representatives of large employers who already have complete records regarding the hours of work and pay of their employees, kept for other purposes, have complained to the wage and hour division that the present language of the record-keeping regulations issued under the wage and hour law compels the keeping of certain additional records which are burdensome. They have suggested that the requirements in the present regulations could be simplified without sacrifice to the protection such records give to the employees involved. The hearing, therefore, has been ordered so that their suggestions may be officially examined into, and if the changes they request can safely be made, their suggestions will be followed, says Acting Administrator Baird Snyder.

Anyone desiring to appear or file a statement may do so. Notice of intention to appear must reach the administrator prior to 4:30 p.m., October 16. Written statements in lieu of personal appearances must be received prior to 4:30 p.m., October 17.

Elkins Act Test Case Against Indiana Standard

Hammond, Ind., Oct. 1, 1940

A suit to test the validity of the Elkins Act and to enjoin the Standard Oil Company of Indiana from receiving rebates and offsets from Stanolind Pipeline Company, a subsidiary, was filed in Federal court here today by the Department of Justice. Counsel for the company said the action was merely to test the law and that there was no violation of tariff charges or interstate commerce provisions.

This is the first of three such suits which will be filed by the government. The other two suits will involve the Phillips Petroleum Company and the Phillips Pipe Line Company and the Great Lakes Pipe Line Company. The latter cases will be filed in the Federal court for the District of Delaware.

These three suits were selected as representative proceedings to clarify the law with respect to all cases where pipe lines are owned by the major oil companies. They charge the major oil companies involved with taking rebates from common carrier pipe lines on the oil which the majors ship. The method by which these rebates are alleged to be taken is as follows:—

The major oil companies own the capital stock of the pipe line companies, pay the published tariff rates and receive refunds from such rates under the guise of dividends on the stock. During the year, 1939, the net earnings of the Phillips Pipe Line Company amounted to 49 percent of transportation revenues; the Great Lakes Pipe Line Company, 49.5 percent; and the Stanolind Pipe Line Company, 36 percent. These earnings are paid back in the form of dividends to the major oil companies which ship the oil, thus giving the major oil company shippers a tremendous advantage over their independent competitors. This the Department of Justice contends is an illegal rebate under the Elkins act.

Chemical and Petroleum Corporation Incomes in 1938

OPD Washington Bureau
September 30, 1940

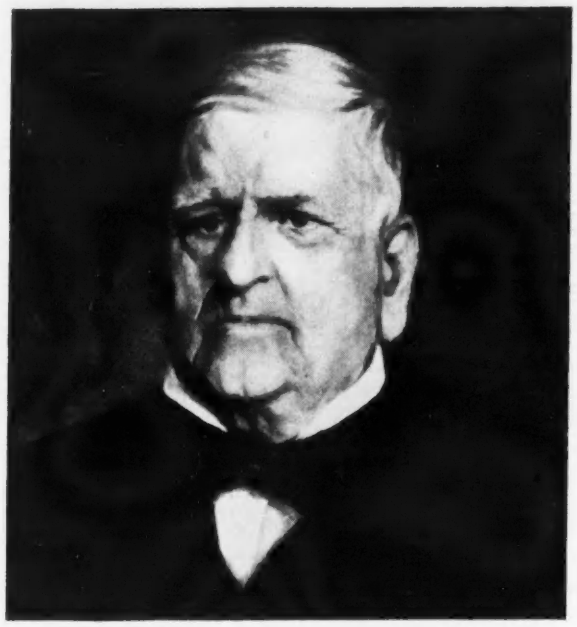
The Secretary of the Treasury today made public preliminary statistics of corporation incomes and excess-profits tax returns for 1938, filed through December 31, 1939, and prepared under the direction of Guy T. Helvering, Commissioner of Internal Revenue.

The returns covered by the statistics are, in general, it was stated, filed under the provisions of the revenue act of 1938, and include returns for the calendar year 1938, a fiscal year ending in the period January through June, 1939, a part year beginning and ending in 1938, and a part year beginning in 1938 and ending in 1939, the greater part of the accounting period falling in 1938.

However, there are included a certain number of returns filed under the provisions of the Revenue Act of 1936 as amended by the Revenue Act of 1937, which include returns for a fiscal year beginning in 1937 and ending in the period July, 1938, through November, 1938, and for a part year beginning in 1937 and ending in 1938, the greater part of the accounting period falling in 1938.

It is also declared that the data are taken from the returns as filed and prior to revisions that may be made as a result of audit by the Bureau of Internal Revenue.

—*Continued on page 38*



SALT OF THE EARTH

Fifty years ago a man sat in a Pittsburgh office and pondered a need. He was Captain John B. Ford, father of the plate-glass industry in America. His need was for soda ash. Out of this need, and out of an irresistible urge to take the basic raw materials of the earth and translate them into useful products for the service of mankind, he decided to found a chemical company.

It was a venture into a new field. Captain Ford was eighty years old. In the course of a long life he had applied his creative powers to the manufacture of many needs for a growing country: saddles for the American Army in Mexico, ships for commerce on the Ohio and the Mississippi, iron and steel for a rising industrial nation. . . . He had not only manufactured thousands of tons of plate glass, but he was the first to polish plate glass successfully . . . to make it commercially practicable.

Now he would seek other raw materials: salt, limestone and coal. He would combine them chemically and produce his own soda ash for his glass factories. He would be independent of all sources of supply. . . . Most important of all, he would be turning his hands and his restless energy to fresh fields.

Here was a challenge: Captain Ford met it characteristically. He purchased twenty acres of salt beds along the Detroit River in Wyandotte, Michigan, and began the production of brine. On these twenty acres he built his first small soda-ash plant. He called it the Michigan Alkali Company.

When Captain Ford drilled his first salt well in 1890 he knew that the brine pumps would be working after his time. What he could not know was that fifty years later, in 1940, the wells he drilled would still be producing night and day . . . that instead of 20 acres and 10 wells there would be 300 acres and 50 wells . . . that more than 42 miles of piping would be needed to supply one of his plants alone . . . that more than 40 million gallons of water would be used every day . . . that his Michigan Alkali Company would become one of the great basic chemical companies of the world, manufacturing a wide range of different products, serving more than 50 different industries.

On its fiftieth anniversary, the Michigan Alkali Company can pay no more just tribute to its founder than to say that Captain John B. Ford builded better than he knew . . . that from his day to this, his company has continued in ever-increasing ways to translate raw materials, among them the salt of the earth, into useful products for the service of mankind.

50th ANNIVERSARY 1940

MICHIGAN ALKALI COMPANY
WYANDOTTE, MICHIGAN

SODA ASH • CAUSTIC SODA • BICARBONATE OF SODA • CALCIUM CHLORIDE • DRY ICE • LIQUID CHLORINE
CALCIUM CARBONATE • COKE • CEMENT • TAR • TOLUOL • BENZOL • XYLOL • CALCIUM HYPOCHLORITE

Current Market Quotations

October 4, 1940

RECEIVED OCT 7 1940 LIBRARY THE CHEMISTS CLUB

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lbs. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07 - —
tanks, dlvd.....lb. .05 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs.10.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys., ...100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks .....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 20-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech. bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse...ton.123.00 -

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00- —
USP, $25 per ton hiher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .13 - .13½
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16 - .17
Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's. bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Corn, dist., dms.....lb. .08½- .09
Cottonseed oil, dist., dms....lb. .07¾- .08
tanks .....lb. .07¼- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S..gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East, U.S.gal. .389- —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448- —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....db. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI. bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls. c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10¼- .11¼
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12½

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms.....lb. .11½- .12
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12¼- .12⅝
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinc, 25-lb. cns.....lb.13.00 - —
5-lb. bots.....lb.13.50 - —
1lb. bots.....lb.14.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works....100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys, 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., dins...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd..lb. .09 - .10
single pressed, bgs., dlvd..lb. .08¼- .09¼
triple pressed, bgs., dlvd..lb. .11¾- .12¾
saponif., double pressed, bgs., dlvd..lb. .09¼- .10¼
triple pressed, bgs., dlvd..lb. .12 - .13

Acacia—Alcohol

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E, works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .41¼- —
smaller quantities...lb. .41¾- —
kgs. .....lb. .42¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .32 - .34
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .13 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks....lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works...lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in drms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .30½- —
19 bbls., E. works....gal. .32½- —
1 to 18 bbls., E. works, gal. .35½- —
dms., c.l., E. works...gal. .29½- —
19 dms., E. works...gal. .31½- —
1 to 18 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .27½- —
19 dms., works E...gal. .29½- —
1 to 18 dms., works, E. gal. .32½- —
tanks, E. works.....gal. .21½- —
SD23G, works, E. c.l., dms., gal. .33½- —
19 dms.....gal. .35½- —
1 to 18 dms.....gal. .38½- —
tanks .....gal. .27½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

Alcohol—Bis.-Ammo. Citrate

Alcohol, special solvent, dms., c.l., works..gal. .30½- —
1 to 19 dms.....gal. .32½- —
1 to 10 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tech., dms., c.l., dvld.....lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 6.00½- —
19 bbls.....gal. 6.04 - —
1 to 18 bbls.....gal. 6.07 - —
dms., c.l.....gal. 5.99½- —
19 dms.....gal. 6.03 - —
5 to 18 dms.....gal. 6.06 - —
1 to 4 dms.....gal. 6.08 - —
tanks .....gal. 5.93½- —
absolute, dms., c.l.....gal. 6.34½- —
19 dms.....gal. 6.38 - —
1 to 18 dms.....gal. 6.41 - —
1 to 4 dms.....gal. 6.13 - —
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .65 - —
55 gals., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .80 - .85
peeled, bls.....lb. .58 - .63
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phil..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point. dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N.Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N.Y., Phila...100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works..lb. .11 - —
100 lbs. or less, works..lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Alumina, hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .13 - —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron,free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .18 - —
l.c.l. .....lb. .19 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .61 - —
ink, dms., 1,500 lbs.....lb. .71 - —
standard, dms., 1,500 lbs..lb. .88 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton. 90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N. Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l .....lb. .02¼- —
l.c.l. .....lb. .02¾- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16¼
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, bbls., dlvd., Met. N. Y...lb. .08 - —
kgs., same basis .....lb. .11 - —
cns, same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs .....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms .....lb. .80 - —
50-lb. dms .....lb. .82 - —
25-lb. dms .....lb. .85 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 Nom.
Persulphate, kgs., dom....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Oct.-Dec. shipt..ton. 28.00 - —
spot, same basis.....ton. 29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
Red, 48%, cbys., works...lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07¼- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Ammoniac, sal, white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works, dms.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .20 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .14 - .15
Cyprus, bgs.....lb. .16 - .16½
Mexican, bgs.....lb. .14 - .14½
Star .....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd.....lb. .20 - .22
Oxide, bgs., c.l.....lb. .13 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .14
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 5.00 - 6.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .85 Nom.
Root, bls.....lb. .43 - .55
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04 - —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b., N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .13 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton. 58.00 - —
Jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75
Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —

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Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —

Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 47.50 - —
l.c.l., works.....ton. 52.50 - —
bbls., c.l., works.....ton. 52.50 - —
l.c.l., works.....ton. 57.50 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —
Chlorate, kgs.....lb. .25 - .30
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis ton. 90.00 - —
bbls., same basis...ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis...ton. 96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis.ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis. ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York....ton. 31.50 - —
Southern off color, bulk mines, ton. 12.00 - —
95.75%, bulk mines.....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.l.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import., bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .95 Nom.
Root, bls.....lb. .80 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots..lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50

Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports, lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports, lb. .0380- —
beads, compressed, l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .29 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28

Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., l.c., works, frt. equald..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.40 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.65 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Blue, celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs..lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —

Bone meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 100-lb. bgs., c.i.f. ports, ship...ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago—ton.28.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .35 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld., ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .18
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —

Black, Acetyl-Butyl Stearate

Brown, Sienna burnt, Italian, 11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06½- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .12¾- —
2, bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05½- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .50 - .55
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .28 - .30
Burdock root, bls.....lb. .24 - .25
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagons, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l.. works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —

Tartaric Acid
Cream of Tartar
Rochelle Salt
Citric Acid

Inquiries for these chemicals also invited

SAPONIN • ACETIC ANHYDRIDE • ETHYLENE DIAMINE
SODIUM PERBORATE • VEGETABLE LECITHIN

NEUBERG CHEMICAL CORPORATION
441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Butyric Ether—Diacetyl

Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02¼- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.95 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphile (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs or more, 100 lb. dms, lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms, lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100 lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs, lb. .40 - .45
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Southern cotton states, dms., cl..lb. .06 - —
l.c.l .....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..100 lbs. 4.85 -
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports. ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .60 - .72
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smallr lots, works.....lb. .41 - —
USP, or import. gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0340- .0360
Morocco, bgs.....lb. .0370- .0390
Turkish, bgs.....lb. .0330- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .28 - .29
Russian .....lb. .27½- .28
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Carbon, tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .80 - .82
green, bgs.....lb. .61 - .62
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .14 - .16
Case - hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11¼- .13
5 tons, works.....lb. .11¾- .13½
smaller lots, works.....lb. .12¼- .14
80-100 mesh, bgs., c.l.....lb. .11¾- .13½
5 tons, works.....lb. .12¼- .14½
smaller lots, works.....lb. .12¾- .15
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11½- .12
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .12½
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .17¼- .17¾
No. 1, regular, bls.....lb. .16 - .16½
shortstick, bls.....lb. .13 - .13½
broken, bls.....lb. .11¾- .12¼
China, rolls, select, bls.....lb. .12 - .12½
broken, extra, bls.....lb. .11½- .12
Saigon, No. 1, bls.....lb. .16½- .17
10-6-2, bls.....lb. .17 - .17½
all dms., bls.....lb. .17½- .18
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.51.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .34½- .35
Indian .....lb. .19 - .19½
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10 - 10.9%), 100 - lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate - propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld., lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02½- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .85 - .90
Roman, bls.....lb. 2.00 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N .C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.62.80 - —
Ohio .....ton.32.80 - —
Penn .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works, ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.00 -25.00
powd., cks., l.c.l., ex whse. ton.45.00 - —
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut. 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .75 - .80
20 in., thick, cs.....lb. .75 - .80
20 in., medium, cs.....lb. .75 - .80
USP, broken quill, red, bgs., lb. .21 - .23
yellow, bgs.....lb. .21 - .23
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns.100 ozs..oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .16¾- .17¼
3 bls.....lb. .16 - .16½
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24½- .25
Cloves, Madagascar.....lb. .16¼- .16¾
Zanzibar .....lb. .16¼- .16¾
Clover tops, red, bgs.....lb. .40 - .45
dom., bgs.....lb. .33 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .1040- —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchine, bots., cns.....oz.20.00 -25.00
Colchicum seed, bgs.....lb. 1.05 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .25 - .27
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .25 - .26
S.A., USP, cns.....lb. .27 - .28
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16½- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 Nom.
odide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - —
Nitrate, cryst., bbls.....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l, 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis, 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealers, f.o.b. works.100 lbs. 9.30 - 9.55
l.c.l., dealers.....100 lbs.10.30 -10.55
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0140- —
Coriander, bags.....lb. .06½- .07
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.44 - —
slabs, bbls., c.l.....100 lbs. 3.36 - —
solid, bbls., c.l.....100 lbs. 3.48 - —
Syrup, 42°, bbls., c.l...100 lbs. 3.47 - —
43°, bbls., c.l.....100 lbs. 3.52 - —
Cornsilk, bls.....lb. .15 - .16
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
meal, 8%, Southeast, mills..ton.23.50 -24.00
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .34¼- —
smaller lots, bbls.....lb. .34¾- —
kgs. .....lb. .35¼- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .32 - .33
powd., cs.....lb. .40 - .41
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .20 - .21
Cyprus, bgs.....lb. .19¾- .20¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y. duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd. ,contracts, N_2..unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., dlvd. lb. .17 - —
Cyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Cyclohexanone, 98-100%, dms., dlvd..lb. .40 - —

D

Damiana leaves, bls.....lb. .17 - .24
Dandelion root, German, bls...lb. .60 - .65
Decanol, normal, tech., 360 lbs. dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras common, dom., bbls...lb. .08 - .08½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs.....lb. .26 - .30
Derris root, powd., 1,000 lbs. to 2,000 lbs..lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.10 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.20 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Potato, imoort, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00

Diamyl ether, dms., c.l., works, lb.	.085	-	—
l.c.l., works lb.	.092	-	—
tanks, works lb.	.075	-	—
Oxalate, dms., l.c.l., works lb.	.30	-	—
Phthalate, dms., c.l., dlvd lb.	.21	-	—
l.c.l., dlvd lb.	.21½	-	—
tanks, dlvd lb.	.20	-	—
Sulphide, dms., l.c.l., works lb.	1.10	-	—
Diamylamine, dms., c.l., works, lb.	.47	-	—
l.c.l., works lb.	.48	-	.50
tanks, works lb.	.45	-	—
Diamylene, dms., c.l., works lb.	.095	-	—
l.c.l., works lb.	.102	-	—
tanks, works lb.	.085	-	—
Diamylnaphthalene, dms., l.c.l., works lb.	.20	-	—
Diamylphenol (2, 4), dms., c.l., works lb.	.17	-	—
l.c.l. lb.	.20	-	—
Diatomaceous earth, dom., bgs., l.c.l., Pacific cst., works, ton.	22.00	-	35.00
l.c.l., ex whse ton.	45.00	-	50.00
import, bgs., c.l., c.i.f. ton.	No prices		
Dibutylamine, dms., c.l., works, lb.	.50	-	—
l.c.l. lb.	.51	-	.53
tanks, works lb.	.48	-	—
Dibutyl ether (see Ether, butyl).			
Phthalate, dms., c.l., dlvd lb.	.19	-	—
l.c.l., dlvd lb.	.19½	-	—
tanks, dlvd lb.	.18	-	—
cns., works lb.	.23½	-	.25½
Sebacate, dms., works lb.	.50	-	—
Tartrate, dom., dms lb.	.50	-	—
Dicalcium phosphate (See Calcium phosphate dibasic).			
Dichlorethyl ether, dms., c.l., works lb.	.15	-	—
l.c.l., works lb.	.16	-	—
tanks, works lb.	.14	-	—
Dichloropentane, dms., c.l., works, lb.	.0221	-	—
l.c.l. lb.	.04	-	—
tanks lb.	.025	-	—
Diethanolamine, dms., c.l., works, lb.	.23½	-	—
l.c.l., works lb.	.24½	-	—
tanks, works lb.	.22½	-	—
Diethylamine, dms., l.c.l., works, lb.	.70	-	—
Diethylcarbonate, coml., dms. lb.	.25	-	—
refd., 99%, dms lb.	.35	-	—
Carbinol (see Carbinol).			
Oxalate, dms., l.c.l., dlvd lb.	.27	-	—
Phthalate, dms., c.l., frt. alld, lb.	.19	-	—
l.c.l. lb.	.19½	-	—
tanks lb.	.18	-	—
Sulphate, dms., c.l., works lb.	.13	-	—
l.c.l., works lb.	.14	-	—
tanks lb.	.12	-	—
Diethylaniline, dms lb.	.40	-	—
Diethyleneglycol, dms., c.l., works, lb.	.14½	-	—
l.c.l., works lb.	.15½	-	—
Monobutylether, dms., works lb.	.22½	-	.24½
Monoethylether, dms., c.l., works, lb.	.14½	-	—
l.c.l., works lb.	.15½	-	—
tanks, works lb.	.13½	-	—
Digitalis leaves, dms lb.	.35	-	.40
Digiycol, laurate, c.l. lb.	.16	-	—
Oleate, light, bbls., c.l. lb.	.17	-	—
Stearate, bbls., c.l. lb.	.22	-	—
Di-isobutyl ketone, dms., works lb.	.19	-	—
Dillseed, recleaned, bgs lb.	.10½	-	.11
Dimethyl phthalate, dms., c.l., dlvd. lb.	.18½	-	—
l.c.l., dlvd lb.	.19	-	—
tanks, dlvd lb.	.17½	-	—
Dimethyl phthalate, dms., c.l., dlvd. lb.	.18½	-	—
l.c.l., dlvd lb.	.19	-	—
tanks, dlvd lb.	.17½	-	—
Sulphide, dms., l.c.l., works lb.	1.05	-	—
Dimethylethyl carbinol (see Carbinol).			
Dinitrobenzene, bbls., 80° min. lb.	.18	-	—
Dinitrochlorobenzene, dms lb.	.14	-	—
Dinitronaphthalene, kgs lb.	.35	-	.38
Dinitrophenol, bbls lb.	.22	-	—
Dinitrotoluene, dms lb.	.15½	-	—
oily, dms lb.	.09	-	—
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd. lb.	.44	-	—
600-1,950 lbs., dlvd lb.	.46	-	—
150-450 lbs., dlvd lb.	.47	-	—
Dioxan, dms., c.l., frt. alld lb.	.20	-	—
l.c.l., same basis lb.	.21	-	—
tanks, same basis lb.	.19	-	—
Dip oil (see Tar acid oil).			
Dipentene, dms gal.	.47	-	.50
tanks gal.	.41	-	—
dest., dist., dms gal.	.45	-	.48
tanks gal.	.38	-	—
Diphenyl, bbls., c.l., works lb.	.15	-	—
l.c.l., works lb.	.16	-	.20
Oxide, perfume grade, cns lb.	.50	-	.55
Diphenylamine, bbls lb.	.25	-	—
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd. lb.	.35	-	—
600-1,950 lbs., dlvd lb.	.36	-	—
150-450 lbs., dlvd lb.	.37	-	—
Diphenylmethane, bots lb.	1.40	-	3.00
Dimethylethyl carbinol (see Carbinol).			
Doggrass root, cut, N. F., bls. lb.	.35	-	.40
Dogwood bark, Jamaica, bls. lb.	.08	-	.10
Dovers powder, USP, cns lb.	2.75	-	2.80
Dragon's blood, mass, cs lb.	.65	-	.85
reeds, cs lb.	1.00	-	1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Blue, FD&C blue, No. 1 cns. lb.	13.50	-	—
FD&C blue, No. 2, cns lb.	13.50	-	—
FD&C green, No. 2, cns lb.	17.50	-	—
FD&C green, No. 3, cns lb.	27.50	-	—
Green, FD&C green, No. 1, cns. lb.	13.50	-	—
Orange, FD&C orange, No. 1, cns. lb.	2.90	-	—
FD&C orange, No. 2, cns. lb.	3.63	-	—
Red, FD&C red, No. 1, cns. lb.	6.00	-	—
FD&C red, No. 2, cns lb.	2.15	-	—
FD&C red, No. 3, cns lb.	17.50	-	—
FD&C red, No. 4, cns lb.	5.75	-	—
FD&C red, No. 32, cns lb.	4.15	-	—
Yellow, FD&C yellow, No. 1, cns. lb.	8.50	-	—
FD&C yellow, No. 3, cns. lb.	2.65	-	—
FD&C yellow, No. 4, cns. lb.	2.65	-	—
FD&C yellow, No. 5, cns. lb.	3.15	-	—
FD&C yellow, No. 6, cns. lb.	3.15	-	—
Dyes, coaltar (certified colors), for drugs and cosmetics:—			
Black, D&C black, No. 1, lb.	8.35	-	—
Blue, D&C blue, No. 6 lb.	13.50	-	—
Brown, D&C brown, No. 1, cns. lb.	12.35	-	—
Green, D&C green, No. 5, cns. lb.	12.35	-	—
D&C green, No. 6, cns lb.	12.35	-	—
Orange, D&C orange, No. 2, cns. lb.	8.35	-	—
D&C orange, No. 4 cns lb.	15.35	-	—
D&C orange, No. 10, cns. lb.	15.35	-	—
D&C orange, No. 11, cns. lb.	17 35	-	—
Red, D&C red, No. 5 lb.	6.00	-	—
D&C, red, No. 17 lb.	8.35	-	—
D&C, red, No. 18 lb.	18.35	-	—
D&C red, No. 19, cns lb.	15.35	-	—
D&C red, No. 22, cns lb.	8.35	-	—
D&C red, No. 33 lb.	13.35	-	—
D&C red, No. 37, cns lb.	12.35	-	—

Diamyl Ether—Dyes

Dyes, coaltar (certified colors), for drugs and cosmetics:—			
Yellow, D&C yellow, No. 7, cns. lb.	6.35	-	—
D&C yellow, No. 8, cns lb.	6.35	-	—
D&C yellow, No. 11 lb.	10.35	-	—
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—			
Blue, Ext.D&C blue, No. 1, cns. lb.	12.35	-	—
Green, Ext.D&C, green, No. 1, cns. lb.	12.35	-	—
Red, Ext.D&C, red, No. 1, cns. lb.	10.35	-	—
Ext.D&C, red, No. 3 lb.	21.35	-	—
Ext.D&C, red, No. 8 lb.	7.35	-	—
Ext.D&C, red, No. 10, cns. lb.	12.35	-	—
Ext.D&C, red, No. 13, cns. lb.	12.35	-	—
Yellow, Ext.D&C, yellow, No. 1, cns. lb.	6.35	-	—
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—			
36 Chrome yellow 2G lb.	.65	-	.70
40 Chrome yellow R lb.	.90	-	1.00
58 Victoria violet lb.	.90	-	1.00
165 Lake red C lb.	.70	-	.80
176 Fast red A lb.	.86	-	.90
180 Fast red VR lb.	1.50	-	1.60
189 Lake red R, paste lb.	.85	-	.90
189 Lake red R, powd lb.	8.00	-	8.10
Sulphur tan lb.	.30	-	.50
202 Chrome blue black U lb.	.32	-	.40
204 Chrome black A lb.	1.75	-	2.00
208 Fast red blue R lb.	.75	-	2.00
216 Chrome red B lb.	1.75	-	2.00
262 Cloth red 2B lb.	.60	-	.80
289 Fast cyanin 5R lb.	.90	-	1.00
299 Chrome black F lb.	.60	-	.65
307 Fast cyanin black B lb.	.80	-	.85
326 Direct cast scarlet lb.	2.00	-	2.25
304 Paper yellow lb.	.83	-	.90
365 Chrysophenin G lb.	.58	-	.70
394 Direct violet N lb.	1.26	-	1.35
382 Direct scarlet B lb.	1.50	-	1.75
387 Direct violet B lb.	1.00	-	1.30
401 Developed black BHN, lb.	.45	-	.60
406 Direct blue 2B lb.	.25	-	.30
416 Direct orange R lb.	.60	-	.70
419 Direct fast red F lb.	.75	-	.85
420 Direct brown M lb.	1.00	-	1.10
448 Benzo purpurin 4B lb.	.40	-	.42
495 Benzo purpurin 10B lb.	.40	-	.50
502 Direct azurin G lb.	.75	-	.80
512 Direct blue RD lb.	.80	-	1.00
518 Direct pure blue 6B lb.	1.10	-	1.25
520 Direct pure blue lb.	.50	-	1.00
529 Direct fast black, FF lb.	.55	-	1.00
581 Direct black EW lb.	.25	-	.50
582 Direct black RX lb.	.35	-	.45
593 Direct green B lb.	.75	-	.80
594 Direct green G lb.	1.00	-	1.05
596 Direct brown 3GO lb.	.85	-	1.00
620 Direct yellow R lb.	1.25	-	1.50
698 Acid violet lb.	1.00	-	2.00
812 Primulin lb.	.50	-	.52
814 Direct fast yellow lb.	2.00	-	2.25
845 Nigrosin (water soluble), lb.	.35	-	.50
1177 Indigo, 20 p. c. paste lb.	.15	-	.18
Benzo fast black L lb.	.90	-	1.00
Sulphur black lb.	.20	-	.25
Sulphur blue lb.	.40	-	1.00
Sulphur brown lb.	.25	-	.50
Sulphur maroon lb.	.40	-	—
Sulphur olive lb.	.35	-	.54
Sulphur yellow lb.	.30	-	.50
Zambesi black lb.	.75	-	.80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).			
Black:—			
865 Nigrosin derivatives lb.	.38	-	.62
Blue:—			
1075 Alizarin astrol base lb.	15.00	-	—
1078 Alizarin cyanin green base lb.	6.00	-	—
Browns:—			
Brown lb.	1.15	-	—
Green:—			
1078 Alizarin cyanin green lb.	5.00	-	—
Green lb.	.75	-	—
Orange:—			
24 Sudan I lb.	.75	-	—
Orange, red shade lb.	.75	-	—
Red:—			
75 Sudan II lb.	1.05	-	—
258 Sudan IV lb.	.95	-	—
749 Rhodamine B (oil pink), lb.	2.50	-	—
1060 Anthraquinone violet base lb.	6.00	-	—
680 Oil violet lb.	.50	-	—
Yellow:—			
15 Amidoazobenzene yellow lb.	.90	-	—
17 Amidoazotoluene yellow, lb.	.75	-	—
61 Yellow OB lb.	1.40	-	—
Black:—			
864 Nigrosin lb.	.38	-	.44
Blue:—			
860 Indulin lb.	.60	-	.70
Brown:—			
331 Bismarck brown lb.	1.50	-	—
Green:—			
637 Malachite green base lb.	2.00	-	—
Orange:—			
20 Chrysoldin G lb.	.95	-	—
21 Chrysoldin R lb.	.95	-	—
Red:—			
677 Fuchsin, magenta base, lb.	7.25	-	—
749 Rhodamine B lb.	4.75	-	—
Yellow:—			
67 Amidoazotoluene yellow, lb.	.75	-	—
655 Auramine lb.	2.00	-	—
800 Chinolin yellow SS lb.	2.00	-	—
Violet:—			
680 Methyl violet base lb.	.85	-	—
Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).			
Black:—			
246 Naphthol blue black S, lb.	.50	-	—
873 Methylene gray lb.	1.50	-	—
Blue:—			
714 Patent blue A lb.	1.45	-	—
729 Victoria blue B lb.	2.00	-	—
861 Indulin lb.	.87	-	—
909 New blue R lb.	1.30	-	—
922 Methylene blue lb.	1.00	-	—
1054 Alizarin saphirol B lb.	1.90	-	—
1180 Indigotin IA lb.	.85	-	—
Brown:—			
234 Resorcin brown Y lb.	.65	-	—
235 Resorcin dark brown R, lb.	.68	-	—
231 Bismarck brown G lb.	.40	-	.52
832 Bismarck Brown R lb.	.40	-	.52
793 Phosphin lb.	4.65	-	—
Green:—			
5 Naphthol green B lb.	1.00	-	—
657 Malachite green lb.	1.35	-	—
662 Brilliant green lb.	2.00	-	—
666 Guinea green B lb.	1.15	-	—
787 Wool green S lb.	.58	-	—
924 Methylene green B lb.	1.55	-	—
1078 Alizarin cyanin green, lb.	2.35	-	—

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

SOLVAY LIQUID CHLORINE

THREE Solvay Chlorine manufacturing centers—Syracuse, New York; Hopewell, Virginia, and Baton Rouge, Louisiana—insure simplified shipments and handling and faster deliveries of high-quality Solvay Liquid Chlorine.

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✓ CAUSTIC SODA
✓ MODIFIED SODAS
✓ SPECIAL ALKALIES
✓ HEAVY DUTY CLEANSERS
✓ NITRITE OF SODA
✓ CALCIUM CHLORIDE
✓ CAUSTIC POTASH
Liquid—Flake—Ground—Solid—Lump
✓ AMMONIUM CHLORIDE
✓ PARA-DICHLOROBENZENE
✓ ORTHODICHLOROBENZENE
✓ AMMONIUM BICARBONATE
✓ POTASSIUM CARBONATE
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

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Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

BRANCH SALES OFFICES:

Boston Charlotte Chicago Cincinnati
Cleveland Detroit New Orleans
New York Philadelphia Pittsburgh
St. Louis Syracuse

STANDARD SINCE 1881

Dyes—Gum, Dammar

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
87 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
556 Fast light yellow.....lb. 1.35 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .58 - .60
imported .....lb. .50 - .55
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -25.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. .85 - —
tins, 100 ozs.....oz. .95 - —
Hydrochloride, tins, 1,000-oz lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.65 - 1.70
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07¼- —
tanks, frt. alld.....lb. .06 - —
95-98%, dms., c.l., frt. alld..lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06¼- —
N.F., 460-lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
500 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works..... lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l.,works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¼- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .08 - .09

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13½- .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .04¼- .04½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns.....gal.15.00 -15.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 3.15 & .10
bgs., f.o.b. Balto....ton.50.00 - —
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Oct. shipt..ton.51.00 Nom.
spot..ton.51.00 Nom.
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs...lb. .45 - .46
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.18.50 -19.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.18.50 - 19.00
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton.15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17¼- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .06 - .06½
plantation, cases.....lb. .10 - .10½
Cubes, Singapore, cases....lb. .08¼- .08¾
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06¼
65 octane and above, tanks. gal.. .06¾- .07¼
California, 54-58, tanks...gal. .05 - .06½
Gulf Coast, U. S. Motor, bulk. gal. .05¼- —
60-62, 390 e.p., bulk, export. gal. .05¼- —
63-67, 375 e.p., bulk, export. gal. .05½- —
70-72, 400 e.p., bulk, export. gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04¾
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04¾
72-74 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, Us motor, 63 octane and below, tanks..gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04½
67-69 octane, tanks....gal. .03¾- .04
70-72 octane, tanks....gal. .04¼- .04½
natural, 18-55, tanks.....gal. .02 - .02¼
26-70, tanks.....gal. .01¾- .02
Gelatine, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .18 - .20
grd., bbls., bxs.....lb. .23 - .25
powd., bbls., bxs.....lb. .24 - .26
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bags..lb. .06 - .06½
Cochin, lemon, bgs.....lb. .10¾- .11
Jamaica, bold, bgs.....lb. .10 - .10¼
medium, bgs.....lb. .10 - .10¼
grinding, bright, bgs.....lb. .08¾- .09¼
Japanese, bgs.....lb. .06 - .06¼
Ginseng root, wild Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works.... 100 lbs. 1.05 - 1.35
less than 5 tons, wks. 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
36/58, bgs., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
38/82, bgs., c.l., dlvd....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108 millipoise, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
l.c.l., same basis.....lb. .18 - —
hide, calcimine type, 75/222, bgs., c.l., same basis..lb. .18¼- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19¼- —
l.c.l., same basis.....lb. .20½- —
Glue, hide, calcimine type, 92/283, bgs., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12¾- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12½- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .09½- —
l.c.l., same basis....lb. .10½- —
tanks .....lb. .06½- —
for refiners, dms., returnable, tanks, dlvd..lb. .08¼- .08¾
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .15 - .15½
Goldenseal, root, bls.....lb. 2.75 - 2.85
powd., bxs.....lb. 3.05 - 3.15
Grains of paradise, bgs.....lb. .46 - .48
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .03¾ Nom.
white .....lb. .03¾ Nom.
yellow .....lb. .03¾ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom, pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verditris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.00 - 3.00
Sumatra, cs.....lb. .21 - .22
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. No prices
Gum, copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, 2, water white, bgs., c.l., same basis lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .23¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .18¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis..lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
B, bskts., c.l., same basis, lb. .11¾- —
C, bskts., c.l., same basis, lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis, lb. .12¾- —
DK, bskts., c.l., same basis, lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis, lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
spirit-soluble, CBB, bskts., basis..lb. .10¾- —
DBB, bskts., c.l., same basis, lb. .10 - —
MA, bskts., c.l., same basis, lb. .07¾- —
MB, bskts., c.l., same basis, lb. .07¼- —
WS, bskts., c.l., same basis..lb. .10 - —
A/D, cs., c.l., same basis.lb. .13¾- —
Philippine, Manila, amber sorts, bskts, c.l., same basis, lb. .08 - —
chips pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
pale, scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis.lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21½- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —

Gum, dammar, Singapore, 1, cs., c.l., same basis..lb. .16⅝- —
2, cs., c.l., same basis....lb. .12⅝- —
3, cs., c.l., same basis.....lb. .07½- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07½- —
seeds, cs., c.l., same basis.lb. .09⅜- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs. .....lb. .06¼- .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight c.l.....lb. .07 - .07½
l.c.l. same basis.....lb. .07¼- .07⅝
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale. XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. 1.50 - 2.00
Myrrh, USP, cs.....lb. .55 - .60
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .37 - .38
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt.equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald..ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅜- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07¼
Henbane leaves, bls.....lb. .82 Nom.
Henna leaves, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Groups 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.00 - 2.50
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .18
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —

Gum, Dammar—Kerosene

Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West coast via Panama canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.63.00 -75.00
Hydrochloride, bots.....oz.65.00 -75.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 50°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.30 - 1.35
powd., bxs.....lb. 1.40 - 1.45
Irish moss, ordinary, bls.....lb. .22 - .25
powd., 80-90 mesh, bbls..lb. .32 - .35
prime, bleached, bls.....lb. .30 - .32
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lyb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .94 - .97
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .85 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs...lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
propionate, dms., works.....lb. .09 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isopherone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld.. gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld.. gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .30 - .35
powd., bbls., bxs.....lb. .32 - .37
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, ordinary, bgs., lb. .38 - .40
hand picked, bgs.....lb. .40 - .50

K

Kamala, tins.....lb. .33 - .35
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0490- —

Forward with America!

FOR ALMOST A CENTURY AND A QUARTER

America has come a long way since 1816, when Innis, Speiden & Company built their first plant at Poughkeepsie, N. Y.

And, we're proud to say, we too have come a long way in our role of supplying Industrial Chemicals to American industry.

Today, with headquarters in New York, branches and warehouses located at convenient distributing points over the country, and two great modern plants at Niagara Falls, N. Y. and Jersey City, N. J., ISCO has gone forward keeping step with the progress of the Republic.

Look to us with confidence for your needs in reliable INDUSTRIAL CHEMICALS, GUMS and WAXES — and allied lines, for example:

ISCO TRINITY TALC — This ace California product has the good qualities you've always attributed to talc of European origin: Fine white color — Consistent purity — and slip. Add to these the assurance of continuous supply, prompt deliveries and reasonable price. A trial run will convince you.

NAPHTHALENE — Refined, prime white, freshly packed. Various forms and packages.

PARADICHLOROBENZENE

As headquarters on this, we can furnish prime quality material with a crystalizing point of 52.8° C.

100 and 200 lb. strong containers. Also

ORTHODICHLOROBENZENE and MONOCHLOROBENZENE

in commercial packages.

and a host of other Industrial Chemicals.

ISCO GUMS AND WAXES—Imported by us. Refined in our Jersey City Plant. Exactly the grades you need for your purpose. We will match samples or make suggestions, if desired.

WAXES—Carnauba - Candelilla - Beeswax - Ceresines - Ozokerite.

GUMS—Arabic - Karaya - Locust Bean - Tragacanth.

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A National Institution

A better chance that you'll be saying...

"Fits like a Glove"

Just as hands vary in size and shape, so do your products differ from those put out by other paint manufacturers. And that's exactly the reason why the Dutch Boy offers five different white-leads. Each of the five has its own special line-up of paint-making characteristics. So you have a much better chance to find a white-lead that fits your product—a "lead" with exactly the paint-making qualities you're after.

Here's the wide choice that the Dutch Boy offers: First, those two old standbys, Dutch and Carter. Next comes H. T. S. with its increased paint-thickening power, tinting strength and hiding power. Then there are the new 333 and 111 White-Leads, both of which rate even higher in these qualities. No. 111, for example, has greater paint-thickening power, tinting strength and hiding power than any other white-lead on the market.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

NATIONAL LEAD COMPANY—111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 1376 River Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Philadelphia.

Kerosene, at refinery:—
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .03⅞
42-44 w.w., tanks.....gal. .03⅞- .04⅛
Pennsylvania, 45 w.w., tanks, gal. .04¾- .04⅞
46 w.w., tanks.....gal. .04⅞- .05
47 w.w., tanks.....gal. .05 - .05½
Kerosene distillate (see Oil, furnice).
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.00 - 6.10
Middlewestern, trcs....100 lbs. 5.10 - 5.20
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 5.20 - 5.30
Compound, trcs.....100 lbs. 8.00 - 8.50
Larkspur seed, bgs.....lb. 1.35 - 1.40
Laurel berries, bls.....lb. .25 - .28
Leaves, Greek, bls.....lb. .08¾- .09¼
Turkish, bls.....lb. .08¾- .09¾
Lavender flowers, ordinary, bls.lb. .45 - .60
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns.. works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
other points.....lb. .07¼- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .08 - —
other points.....lb. .07¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd. Ala., lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¾- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd. ,Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo—lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd. Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
Lecithin, purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .87½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .12 - .13
select, bdls., cs.....lb. .38 - .43
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b, Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 5, tanks, dealers .dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark, Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 1.75 - 3.00
Linden flowers, with leaves, bls.lb. .42 - .45
without leaves, bls.....lb. .40 - .48
Linseed cake, bgs., export...ton.21.00 - —
meal, bgs.....ton.22.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
Other points.....lb. .06½- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in in Ore., and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., and Wash....lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
Other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .55
Lobelia, herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12¼
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

M

Mace, Bands, cs.....lb. .51 - .52
Batavia, cs.....lb. .29 - .30
Sauw, cs.....lb. .32½- .33
West Indian, cs.....lb. .33 - .34
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, l.c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls., ...lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09½- —
kgs. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I. N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, full fr't alld, up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Magnesia, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton. .....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs....ton.60.00 -65.00
Imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 -25.00
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots...lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .73 - —
Malva flowers, black, bls.....lb. .70 - .95
blue, bls.....lb. .70 - .95
Leaves, bls.....lb. .27 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap, bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots works.ton.79.75 - —
paper bgs., c.l., works.ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports, duty paid, unit-ton. .71 - .73
Resinate, fused, 3-4%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works, lb. .09½- .09¾
single bbls., works.....lb. .09¾- .10¼
fertilizer, 65% $MnSO_4$ bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.35.00 -36.00
Manna flake, large, cs.....lb. 1.50 Nom.
small, cs.....lb. 1.25 Nom.

Kerosene—Methyl Acetone

Mannitol, com'l grade, bbls., ton lots, works..lb. .38 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50 lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .41 - .43
Tunisan, bls.....lb. No stocks
Chilean .....lb. .18 - .18¼
Matico leaves, bls.....lb. .22 - .25
Menthol, USP, natural, cs.....lb. 3.55 - 3.65
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.96 - —
USP, fib. dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5 lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅜x5⅞ in.....pkg.24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1. gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld...gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R., lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis, gal. .37½- —
l.c.l., same basis...gal. .40 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Acetone, natural, group B producers, tanks, Zone 1.gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —

Methyl Acetone—Oil, Palmarosa

Methylacetone, nat., group B, dms., l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .56½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash, Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1....gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl...lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. sylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb.2.75 - 3.25
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., dlvd..lb. .17 - —
Methylcyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Methylcyclohexanone, 98 - 100%, dms., dlvd..lb. .40 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same term.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works..gal. 1.60 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.25 - 3.80
imp., bots.....lb. 2.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l.....lb. .21 - —
tanks.....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs. works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs, works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works.....ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅜- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l.....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l.....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l.....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06¼- .06⅝
Molybdate orange (see Orange, molybdate).
Molydenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks.....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobensene, dms., l.c.l., lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.19.00 -20.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16½- .16¾
yellow, prompt shipt., bgs..lb. .17 - .17½
Chinese yellow, bgs.....lb. .10 - .10½
Danish, yellow.....lb. .25½- .26
Dutch, yellow.....lb. .28 - .29
English, yellow, bgs.....lb. No stocks
Montana yellow, bgs.....lb. .15 - .15½
Roumanian, yellow.....lb. .16½- .17
Myrobalans, Jl, bgs., f.a.s...ton.40.00 - —
JJ, bgs., f.a.s.....ton.34.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works..100 lbs. 2.25 - 2.50
bbls., c.l., works...100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works, 100 lbs. 2.50 - 2.75
l.c.l., works.....100 lbs. 2.75 - 3.00
import, bgs., c.i.f.....100 lbs. No price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 8-11% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.75 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - —
East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f., Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. .26 - .29
Chinese.....lb. .17 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .17½- .18
110s, bgs., cs.....lb. .16 - .16½
West Indian, bgs.....lb. .07¾- .08¼
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .03⅜- —
tanks.....lb. .02⅜- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12⅛- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Octyl acetate, dms., c.l. works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns....lb. .70 - .75
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.80.00 Nom.
seed, bots.....lb.48.00 -53.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .85 - .90
Apricot, kernels, cns.....lb. .28 - .29
Babassu, tanks.....lb. .05¾ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.75 - 2.50
natural, coppers.....lb. 7.25 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .27 - .28
rectified, cns.....lb. .85 - .90
Bois de rose, Brazil, cns.....lb. 1.55 - 1.60
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .58 - .68
USP, IX, cns.....lb. .71 - .72
Calamus, cns.....lb. 8.25 - 8
Camphor, sassafrassy, cns...lb. .31 - .32
dms.....lb. .28 - .29
white, cns.....lb. .35 - .37
dms.....lb. .32 - .33
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin), U S P, VIII...cns. 3.50 - 3.75
Caraway, USP, cns.....lb. 5.00 Nom.
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.40 - 1.45
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l.....lb. .12½- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l.....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l...lb. .10 - —
l.c.l.....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks.....lb. .09½- —
dehydrated, dms., c.l.....lb. .1310- —
l.c.l.....lb. .13½- —
tanks.....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l.....lb. .10½- —
dms. (returnable), c.l.....lb. .09½- —
l.c.l.....lb. .10¼- —
tanks.....lb. .09 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .07 - —
l.c.l.....lb. .08 - —
75% (63% fat), dms., c.l..lb. .09¾- —
l.c.l.....lb. .10¾- —
80% (68% fat), dms., c.l..lb. .10 - —
l.c.l.....lb. .11 - —

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .90 - .95
dms.....lb. .85 - .90
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .22 - .25
Celery, bots.....lb.11.50 -12.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .26¾- .27
tanks.....lb. .25¾- —
Cinnamon, Ceylon, bots.....lb. 9.25 -27.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .32 - .33
dms.....lb. .30 - .31
Java, cns., dms.....lb. .29 - .30
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms.....lb. 1.10 - 1.15
Coconut, Manila, crude, tanks, lb. .02¾- —
edible, 76°, dms. (returnable), c.l..lb. .07½- —
l.c.l.....lb. .08 - —
tanks.....lb. .06¾- —
Cod, Newf., bbls.....gal. .60 - —
Codliver, med., USP, bbls..bbl.70.00 -75.00
Coriander, bots.....lb.11.00 -13.50
Corn, crude, tanks, wks.....lb. .05¼- .05⅝
rfd., bbls.....lb. .07⅛- .07⅛
Cottonseed, cooking, bbls.....lb. .07½- —
salad, bbls.....lb. .07¾- —
Creosote (see C).
Croton, N. F., cns.....lb. 2.25 - 2.50
Cubeb, USP, cns.....lb. 3.25 - 3.50
Crude (see Petroleum, crude).
Cubeb, USP, cns.....lb. 3.00 - 3.25
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.70 - 1.75
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.25 - 5.50
Dip (see L).
Erigeron, cns.....lb. 2.15 - 2.20
Eucalyptus, cns.....lb. .66 - .68
dms.....lb. .64 - .68
Fennel, sweet, cns.....lb. 1.90 - 2.00
Fuel, bunker, California, tide-water..bbl. .75 - .90
Gulf Coast, at terminal..bbl. .80 - —
Louisiana, Arkansas, 10-14, bbl. .70 - —
N.Y. and N.J. terminals.bbl. 1.25 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test...bbl. 1.00 - —
24-28, 15 and above....bbl. .80 - —
Pennsylvania, 36-40.....gal. .04 - —
Furnace, Bayonne, 1, bulk, refinery..gal. .0510- —
2, bulk, same basis.....gal. .0410- —
4, bulk, same basis.....gal. .0410- —
Louisiana - Arkansas, 23 - 36, light straw..gal. .03½- .03¾
Oklahoma, 28-30.....gal. .03 - —
32-36.....gal. .03¼- .03½
36-38.....gal. .03⅜- .03⅝
38-40 zero, 60 e.p.....gal. .03⅝- —
Fusel (see F).
Gas, 27 plus, Bayonne, bulk.gal. .0440- —
Gulf Coast, bulk.....gal. .03½- —
Group 3, bulk.....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).
Oil, geranium, Algerian, rose., cns..lb. 3.40 - 3.75
Bourbon, cns.....lb. 3.35 - 3.75
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Hemlock, cns.....lb. .80 - .85
Hemlock, cns.....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 4.00 - 5.00
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .37 - .40
Lard, common, 1, bbls.....lb. .07 - —
2, bbls.....lb. .06¾- —
extra, bbls.....lb. .07½- —
1, bbls.....lb. .07¼- —
winter, strained, bbls.....lb. .07¾- —
prime, burning, bbls.....lb. .08½- —
prime, ined., bbls.....lb. .08 - —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 6.00 Nom.
38-42% ester, cns.....lb. 4.50 - 4.75
35-38% ester, cns.....lb. 4.00 - 4.25
30-32% ester, cns.....lb. 3.50 - 3.75
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.10 - 1.15
dms.....lb. 1.05 - 1.10
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 Nom.
Terpeneless, Type 1.....lb.10.50 -16.50
Type 2.....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .65 - .70
Lime, dist., cns.....lb. 4.50 - 4.75
expressed, cns.....lb. 7.50 - 7.75
Terpeneless, Type 1.....lb.70.00 -78.00
Type 2.....lb.42.00 -46.50
Linaloe wood, cns.....lb. 1.30 - 1.35
Linseed, raw, dms., c.l.....lb. .0830- .0850
l.c.l., 10 to 69.....lb. .0870- .0890
5 to 9.....lb. .0890- .0910
less than 5.....lb. .0910- .0930
tanks.....lb. .0770- .0790
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .15 - —
140 vis., dms.....gal. .16 - —
green, pale, 750, 900 vis., dms..gal. .17 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .17 - —
Oklahoma, bright stocks, 100-110 D, color 4.0-10 pour, tanks..gal. .15 - —
15-25 pour, tanks.gal. .15½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .15½- —
15-25 pour, tanks..gal. .13½- —
150-160 E, color 5½, 15-25 pour,tanks..gal. .13½- —
190-200 D, color 4½, 15-25 pour, tanks..gal. .12½- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .07 - —
180 vis., 5 color, tanks, gal. .09 - —
4 color, tanks.....gal. .09 - —
200 vis., color, tanks.. gal. .09 - —
4 color, tanks.....gal. .08½- —
250 vis., 3 color, tanks, gal. .10 - —
4 color, tanks.....gal. .10 - —
280 vis., 3 color, tanks, gal. .10½- —
4 color, tanks.....gal. .10 - —
10-25 pour prices are ½c. per gallon less than zero to 10° pour.
Pennsylvania, bright stocks, 8 color, 140-150 vis., 545-550 flash, 10 pour, tanks..gal. .14½- .15
15 pour, tanks.....gal. .13½- .14
25 pour, tanks.....gal. .12 - .14
cylinder oil, 600 flash, tanks..gal. .09 - .11
630 flash, tanks....gal. .11 - .13
600 steam refined, tanks, gal. .07 - .08
650 steam refined, tanks, gal. .08 - .10
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks..gal. .22½- —
10 pour, tanks.....gal. .21½- —
15 pour, tanks.....gal. .20½- —
25 pour, tanks.....gal. .19 - .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks..gal. .24½- —
10 pour, tanks.....gal. .23½- —
15 pour, tanks.....gal. .22½- —
25 pour, tanks.....gal. .21 - .22
Mace, dist., cns., dms.....lb. 2.10 - 2.15
Mandarin, superior, coppers..lb. 7.25 - 9.00
Menhaden, crude, tanks, fut., Balto..gal. .21 Nom.
refd., alkali, dms.....lb. .0670- —
tanks.....lb. .0610- —
blown, dms.....lb. .0690- —
kettle-bodied, dms.....lb. .0790- —
light-pressed, dms.....lb. .0610- —
tanks.....lb. .0550- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.50 - 1.60
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .07½- —
1, bbls.....lb. .07¼- —
prime, bbls.....lb. .07¾- —
pure, bbls.....lb. .10½- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 200.00-325.00
Nutmeg, dist., cns., dms....lb. 2.10 - 2.15
Oleo, 1, bbls.....lb. .07⅝- —
2, bbls.....lb. .07¼- —
Oiticica, dms.....lb. .18½- .19½
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 1.85 Nom.
edible, dms.....gal. 2.85 Nom.
foots, dms.....lb. .09½ Nom.
sulphonated, 50%, (42% fat), dms., c.l..lb. .09¼- —
l.c.l.....lb. .10¼- —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l.....lb. .13¼- —
80% (68% fat), dms., c.l., lb. .127 - —
l.c.l.....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.40 - 1.50
Calif., cns.....lb. 2.00 - —
Florida, cns.....lb. 1.25 - 1.30
Messina, USP, coppers...lb. 8.25 Nom.
West Indies, cns.....lb. 2.00 - 2.10
terpeneless.....lb.42.00 -50.00
Origanum, cns.....lb. 1.05 - 1.45
Orris, Florentine, concrete, extra strong, bots..oz. 6.50 - 6.75
Palm, Niger, dms.....lb. .03¼ Nom.
shipments.....lb. .02⅞ Nom.
softs, 12½%, bulk, shipt....lb. .02½ Nom.
Sumatra, shipt., bulk.....lb. .02¼ Nom.
Palmarosa, cns.....lb. 2.25 - 2.50

OIL, PAINT AND DRUG REPORTER — October 7, 1940

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U.S.I. CHEMICAL NEWS

October ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1940

Advances in Resin Technique Open Up New Possibilities

Developments Include Tung Oil Substitution, Better Coatings

Recent developments in the field of natural and synthetic resins have opened up new possibilities in the manufacture of protective and decorative coatings, according to Mr. A. J. Wittenberg of Stroock & Wittenberg.

A typical advance, it is said, is the development of special resins that have made possible the production of porcelain-like baking finishes to replace vitreous enamels, and of gloss and high-speed printing inks.

Used With Newer Drying Oils

Even more important to the manufacturers of paint, varnish, and printing ink have been the advances in the field of China wood oil substitution. Until recently, many of the wood oil substitutes were not entirely satisfactory from the standpoint of bodying and drying speeds, film hardness, and alkali and water resistance. At the present time, however, dehydrated castor, linseed, and even fish and soya bean oils are being successfully fortified by a group of resins that differ considerably from the conventional pure and modified phenolics.

Alkyds of varying oil and resin modifications and lengths are also reported to be establishing their value in providing acceptable substitutes for tung oil in the present shortage.

Super PYRO Anti-Freeze Superior to Methanol

Since exhaustive tests made by an impartial laboratory prove that methanol anti-freeze loses its protection at a much faster rate than Super PYRO, U.S.I. for the 1940-41 winter recommends that motorists use its Super PYRO anti-freeze for better and more economical protection.

Retailing for $1 per gal., Super PYRO is advertised to protect most cars in most climates for the entire season at a total cost of $1.50. For example, a 1940 Buick with 3½ gal. radiator capacity at —10° F. temperature would require 1½ gal. of Super PYRO, costing $1.50. Most cars have thermostatically controlled cooling systems. Therefore, very

(*Continued on next page*)

Tests show that the rate of anti-freeze protection loss is 260% faster with methanol than with Super PYRO.

Many U.S.I. Products Used in Formulating Lacquers, Varnishes

Ethyl and Butyl Acetates Are Among the Most Popular Solvents; S.D. Alcohol, Solox, Dialkyl Phthalates Also Widely Employed

U.S.I.'s extensive list of solvents and chemicals — produced by continuous large-scale processes that result in consistently high quality — offers valuable assistance to the paint, varnish, and lacquer industry in formulating coatings.

Among the most important U.S.I. products used in lacquer formulations are Ethyl Acetate and Butyl Acetate. Ethyl Acetate is probably the most versatile and widely used of all nitrocellulose solvents, because of its low cost, high solvent power, and compatibility with practically all resins, plasticizers, diluents, and other solvents in common use. It is manufactured by U.S.I. by a continuous process from almost chemically pure raw materials, thus insuring a uniformly high quality product.

Applications of Butyl Acetate

Because of its relatively fast evaporation rate, Ethyl Acetate is usually combined with medium or high boiling solvents to provide proper leveling and to prevent blushing. Among the medium boiling solvents, Normal Butyl Acetate is as popular in its group as is Ethyl Acetate in the low boiling group. Normal Butyl Acetate is characterized by good solvent power for nitrocellulose and ethyl cellulose, favorable evaporation rate, and high blush resistance.

Another widely used U.S.I. product is Amyl Acetate, extensively employed in lacquers to insure proper blending, gloss, flow, and film strength, and to prevent blushing. It is manufactured by U.S.I. in three grades—Commercial, High Test, and Technical.

Alcohols and Alcohol-Type Solvents

Both Ethyl Alcohol and Butyl Alcohol also enter into lacquer formulation. U.S.I. manufactures denatured alcohol in several formulas authorized for use in lacquers, synthetic resin varnishes, spirit varnish, and shellac varnish. Butyl Alcohol, produced by a method developed by U.S.I., is widely used as a latent solvent for nitrocellulose and as a solvent for ethyl cellulose, as well as for many resins.

In addition, the lacquer industry finds

(*Continued on next page*)

Paint Convention To Be Held This Month

The National Paint, Varnish and Lacquer Association will hold its 1940 convention at the Mayflower Hotel in Washington, from October 30 to November 1. The convention immediately follows that of the Federation of Paint and Varnish Production Clubs, which will open at the same hotel on October 28.

Those attending the convention are invited to visit the Stroock & Wittenberg booth and see its interesting exhibits.

'41 Cars Make Wide Use Of Iridescent Finishes

DETROIT, Mich.—A very marked increase in the use of iridescent finishes is the most striking development in the coatings for the 1941 car models, it is reported here.

These very attractive iridescent effects are obtained by adding aluminum bronze to the pigmented finish, it is said. Finishes of this type have been used in previous years to a limited extent, but it is estimated that 65% of the new models will use the metallic finishes. Both nitrocellulose and synthetic resins are employed as bases for the iridescent finishes.

The finishes are sprayed with a heavy solution, so that when the drying film becomes semi-solid the microscopic particles of aluminum bronze stand up on the finish.

Another development is the wider use of the two-tone effects which made their appearance during the latter part of last season.

Modern finishing requirements call for the highest quality of lacquer materials. U.S.I.'s continuous large-scale processes for the production of essential lacquer ingredients insure the necessary uniformity and purity, and assist the lacquer manufacturer to meet exacting standards.

ADVERTISEMENT—*This entire page is a paid advertisement.*

October ★ **U.S.I. CHEMICAL NEWS** ★ 1940

Solvent Uniformity Boosts Safety Margin in Lacquers

Consistent quality of the solvents that enter into lacquer formulation have a marked effect on the "margin of safety"—a factor that is almost as important in lacquers as in bridge-building. Such factors as attractive colors and smoothness of flow are of little value if difficulty is experienced with the lacquer at high temperatures or humidities.

Ethyl Acetate is a typical instance of the way in which solvent uniformity can affect the margin of safety in lacquers. In the widely used commercial grade, permissible variation in the ester content is from 85 to 88%. This allows a variation amounting to almost 4% of the total ester supplied, while still meeting specifications. It is obvious that such a variation will affect the margin of safety.

By using a unique, patented method of manufacture, U.S.I. is enabled to offer, year after year, Ethyl Acetate of an exceptionally high grade of uniformity, eliminating this wide variation in ester content. Tests taken over a six-months' period on regular production runs of U.S.I. Ethyl Acetate clearly indicate the high uniformity of the product. Lacquer manufacturers can profit by this uniformity in maintaining their margin of safety.

U.S.I. Products for Lacquers

(Continued from previous page)

many uses for Solox, U.S.I.'s proprietary alcohol-type solvent. Nitrocellulose lacquers are frequently formulated with Solox, and a mixture of 20% Solox and 80% toluol is a very powerful solvent for ethyl cellulose. A mixture of Solox and ethylene dichloride is widely used in cellulose acetobutyrate lacquers, and Solox in combination with toluol may be used to replace denatured alcohol as a diluent in cellulose acetate lacquers. Moreover, Solox dissolves many gums and resins, and hence is extensively employed in spirit varnishes.

Other U.S.I. Products

Other U.S.I. products employed in lacquer formulation include the popular plasticizers, Diamyl Phthalate and Dibutyl Phthalate, which are compatible with other lacquer constituents, practically colorless and odorless, stable to light and heat, and remain permanently in the film.

Among the relatively high boiling solvents, Amyl Propionate and Butyl Propionate impart high gloss, leveling out properties, and blush resistance.

U.S.I. will gladly give further information on the use of any of these products in the manufacture of varnishes and lacquers.

New Yellows, Reds, Greens Display Many Advantages

NIAGARA FALLS, N. Y.—Use of lead cyanamide as a new yellow pigment is suggested in a patent granted to an inventor here.

According to the inventor, the pigment is suitable for use in paints, nitrocellulose lacquers, synthetic resin enamels, and printing inks. In addition to high opacity, tinctorial strength, covering power, and light-fastness, the pigment is said to have the added advantage of imparting corrosion-inhibiting qualities to coating compositions.

HALEDON, N. J.—Recently developed Indanthrene Reds and Maroons can be freely diluted with white without suffering loss on exposure to light, it is reported.

NEWARK, N. J.—A new green pigment announced by a manufacturer here is described as permanent, inert in rubber, resistant to acid and alkali.

High Quality of U.S.I. Pure Alcohol Factor in Wider Use

Exceeding U.S.P. standards in quality and purity, U.S.I. Pure Alcohol is in increasing demand by the manufacturers of food flavoring, drugs, and pharmaceuticals, as well as by hospitals and scientific institutions.

Extensive production facilities and ample stocks located in convenient warehouses place U.S.I. in a favorable position to meet this increasing demand.

Super PYRO Proves Merit

(Continued from previous page)

little, if any, replacement has to be made.

According to a certified report of an independent research organization, ". . . the rate of anti-freeze protection loss is 2.6 times faster with methanol than with Super PYRO . . ." After repeated hourly observations, under conditions duplicating those of a cooling system, with the engine shut off and the temperature rising to 180° F., 22.2 milliliters of methanol had distilled off, but only 8 milliliters of Super PYRO. It was found, too, the freezing point of Super PYRO was 30° lower than that of methanol, also that even with only a 7% mixture of Super PYRO no solid freeze can occur in the cooling system to cause costly and dangerous failures.

Thousands of billboards reaching 16 million motorists in over 500 cities and towns will be employed this fall to advertise the "No Boil-Away" feature of Super PYRO. Super PYRO will be offered in 54-gal. and 5-gal. drums and 1-gal. and 1-quart cans.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A protective coating recently patented is reported to be suitable for covering printing or designs on the surface of cellulose acetate. It is said that the coating forms a cellulose acetate film over the printing. **(No. 380)**

U S I

A new proportioner is said to employ the pressure difference between pitot tubes to give accurate proportioning without the use of pumps. Model is reported to incorporate many improvements over previous types. **(No. 381)**

U S I

Phosphorated oils are said to have many advantages over sulfonated oils, and to be suitable for use as emulsifying agents, dispersants, penetrants, and wetting agents. Suggested applications include printing inks, textiles, paper, leather, and cosmetics. **(No. 382)**

U S I

A liquid cleaner for steel, aluminum, terne plate, and galvanized metal is reported to contain phosphoric acid, compatible solvents, and other ingredients. It is claimed that the cleaner removes dirt and grease, imparts rust-inhibiting properties, gives good bond between metal and finishing material. **(No. 383)**

U S I

A non-volatile solvent is said to remove gum deposits, carbon deposits, and grease, and to be suitable for use as a cleaner on carburetors, fuel pumps, and oil cylinders. **(No. 384)**

U S I

An adhesive solution is reported to be intended for application over the surface of cellophane and similar materials. Maker says that it is colorless and chemically inert, will not dry out, can be used for sticking the cellophane either to itself or to other materials. **(No. 385)**

U S I

A synthetic fiber is used to make filter fabrics that reduce the need of replacement, according to the manufacturer. It is said that the material can be used with pigments, caustics, dyestuffs, and many other products. **(No. 386)**

U S I

A new hose is said to have a synthetic rubber inner tube impervious to paints and solvents, a 2-ply carcass, and a rubber-compound jacket with high tensile strength and resistance to aging and abrasion. **(No. 387)**

U S I

Matching original colors in re-enameling is said to be simplified by the use of a new deopacifying agent. It can be used, it is reported, in white frit in amounts ranging from 2 to 8 ounces per hundred pounds. **(No. 388)**

U S I

A marking ink used with a stamp pad is said to be suitable for use on many kinds of non-absorbent surfaces, including metals, celluloid, varnished wood, coated paper, and plastics. **(No. 389)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N. Y. (U.S.I.) BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butyl Alcohol
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Methanol

Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

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ESTERS, ACETATES
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

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*Diatol
Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
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Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Collodions
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone
*Curbay B-G

Oil, paraffin, 325° flash, 60-70 vis., tanks, G. 3..gal.	.05¼-	—	
350° flash, 70-80 vis., tanks, G. 3..gal.	.05⅛-	—	
80-85 vis., bbls., extra, ind. refy..gal.	.12	-	—
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal.	.14	-	—
300° flash, 100-110 vis., tanks, G. 3..gal	.05⅝-	—	
Patchouli, bots., cns.....lb.	4.75	-	6.00
Peanut, crude, dom., tanks..lb.	.05¼		Nom.
refd., edible, bbls.....lb.	.08⅝		Nom.
Pennyroyal, dom., cns.....lb.	3.00		Nom.
import, cns.....lb.	2.50	-	2.75
Peppermint, natural, cns., dms., lb.	2.35	-	2.60
redist., USP, cns., dms....lb.	2.60	-	2.85
Perilla, dms.....lb.	.18	-	.18¼
tanks .....lb.	.17¼-	-	.17½
Petitgrain, Paraguay, cns....lb.	1.35	-	1.40
Pimento berry, cns.....lb.	4.20	-	7.25
leaf, cns.....lb.	2.25	-	2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal.	.50	-	.55
steam-dist., dms.....gal.	.59	-	—
tanks .....gal.	.54	-	—
Pineneedle, Siberian, cns....lb.	1.25	-	1.30
Putty, bbls., E. Segundo, Richmond, Cal..gal.	.22½-	—	
contracts .....gal.	.19½-	—	
Whiting, Ind.....gal.	.28	-	—
dms., c.l., Boston, Providence, gal.	.25	-	—
l.c.l., same basis.....gal.	.27	-	—
tanks, same basis.....gal.	.18	-	—
Martinez, Cal.....gal.	.28	-	—
Rapeseed, blown, bbls.....lb.	.17⅛		Nom.
denat., bbls.....gal.	1.10	-	1.15
Red, dist. or saponif., dms., dlvd..lb.	.06¼-		.07¼
tanks, dlvd.....lb.	.05⅝-		—
Rose, artif., bots.....oz.	1.35	-	2.25
natural, coppers.....oz.	5.50	-	22.50
Rosemary, Spanish, cns.....lb.	.59	-	.64
dms. .....lb.	.54	-	.59
Rosin, 1st rectfd., dms.....gal.	.42	-	—
2d rectfd., dms.....gal.	.44	-	—
3d rectfd., dms.....gal.	.48	-	—
Rue, bots.....lb.	3.00	-	3.25
Sage, cns.....lb.	2.00	-	3.00
Sandalwood, E.I., USP, cns..lb.	4.95	-	5.25
Mysore, cns., case lots.....lb.	5.50	-	5.75
Sardine, crude, fut., tanks, Pac. Cst..gal.	.25		Nom.
refd., alkali, dms.....lb.	.0670-		—
tanks .....lb.	.0610-		—
kettle-bodied, dms.....lb.	.0790-		—
light-pressed, dms.....lb.	.0610-		—
tanks .....lb.	.0550-		—
Sassafras, artif., cns.....lb.	.75	-	—
dms. .....lb.	.72	-	—
natural, cns., dms.....lb.	1.00	-	1.25
cevile, cns.....lb.	3.70	-	3.75
Savory, cns.....lb.	3.50	-	3.75
Shingle stain, bbls., c.l., works, gal.	.19	-	—
l.c.l., works.....gal.	.20	-	—
tanks, works.....gal.	.14	-	—
Snakeroot, Canada, cns.....lb.	9.50	-	10.50
Soybean, dom., crude, dms...lb.	.05¼-		.05⅝
tanks .....lb.	.04½-		.04⅝
refd., dms.....lb.	.06⅛-		.07¼
tanks .....lb.	.05⅝-		.06¼
Spearmint, dms.....lb.	2.10	-	2.15
Sperm, bleach, 38°, dms.....lb.	.1100-		—
45°, dms.....lb.	.1030-		—
natural, dms.....lb.	.0980-		—
Spruce, cns., dms.....lb.	.80	-	.85
Sweet, birch, North, cns.....lb.	2.25	-	2.65
South, cns.....lb.	1.55	-	1.70
Tall, crude, dms., c.l., works, ton.	40.00	-	—
l.c.l., works.....ton.	45.00	-	50.00
tanks, works.....ton.	30.00	-	—
distilled, dms., c.l., dlvd....lb.	.05½-		.07
l.c.l., dlvd.....lb.	.06½-		.08¼
tanks, dlvd.....lb.	.05	-	.06⅝
refined, dms., c.l., works...lb.	.04	-	—
l.c.l., works.....lb.	.04½-		—
tanks, works.....lb.	.03½-		—
Tallow, acidless, bbls.....lb.	.06⅝-		—
tanks .....lb.	.06¼-		—
Tansy, cns.....lb.	4.25	-	4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal.	.26	-	—
E. ports, c.l.....gal.	.25	-	—
l.c.l. .....gal.	.27	-	—
tanks, dlvd. E. cities....gal.	.20	-	—
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal.	.55	-	—
Tar acid (see T).			
Teaseed, crude, dms.....lb.	.15		Nom.
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms.....lb.	.80	-	1.75
white, dms.....lb.	.95	-	1.95
Tung (see Oil, chinawood).			
Ti tree, cns.....lb.	2.30	-	2.80
Turkey red (see castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.....gal.	6.00	-	—
Valerian, bots.....lb.	3.00	-	3.00
Vetiver, bots.....lb.	3.75	-	18.00
Whale, ref., natral, dms...lb.	.0910-		—
winter, bleach, dms.....lb.	.0950-		—
Wheat germ, cns., dms....gal.	17.50	-	25.00
White, mineral, dom., dms., tech., 50-60 vis., dms..gal.	.31	-	.33
65-75 vis., dms.....gal.	.33	-	.40
80-90 vis., dms.....gal.	.34	-	.40
USP, 80-90 vis., dms....gal.	.36	-	.42
95-105 vis., dms.....gal.	.40½-		.46½
125-135 vis., dms.....gal.	.46	-	.52
140-150 vis., dms.....gal.	.49	-	.55
175-185 vis., dms.....gal.	.53½-		.60½
200-210 vis., dms.....gal.	.56½-		.62½
320-330 vis., dms.....gal.	.64	-	.71
335-345 vis., dms.....gal.	.65	-	.72
Russian, 80-90 vis., dms.gal.	No prices		
145-155 vis., dms.....gal.	No prices		
175-185 vis., dms.....gal.	No prices		
335-345 vis., dms.....gal.	No prices		
Wintergreen, natural, North, cns..lb.	4.35	-	5.00
South, cns.....lb.	3.05	-	3.75
synth. (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.....lb.	3.60	-	3.70
Wormwood, cns.....lb.	4.65	-	4.75
Ylang-ylang, Bourb., bots., cns. lb.	3.00	-	8.00
Manila, bots.....lb.	18.00	-	22.00
Olivine, aggregate, c.l., mines, ton.	7.00		-11.00
Lumps, same basis.....ton.	7.00	-	—
Spalls, same basis.....ton.	5.00	-	—
ground, 325 mesh c.l., mines, ton.	20.00	-	—
200 mesh, c.l., mines....ton.	17.00	-	—
100 mesh, c.l., mines....ton.	15.00	-	—
20 mesh to dust.....ton.	12.00	-	—
Opium USP, cns.....lb.	11.50		-12.50
gran., cns.....lb.	12.50		-13.50
powd., cns.....lb.	12.50		-13.50
Orange Lake, Persian, bbls....lb.	.30	-	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb.	.10¾-		—
Ariz., Idaho, Nev., Utan and E. of Cascade Mts. in Ore. and Wash..lb.	.11¼-		—
Colo., Mont., N. M., Wyo..lb.	.11	-	—
Other points.....lb.	.10½-		—
Orange, mineral, Amer., bbls., smaller lots, dlvd., Ala., etc..lb.	.11½-		—
Ariz., etc.....lb.	.11⅝-		—
Colo., Mont., N. M., Wyo..lb.	.11½-		—
Other points.....lb.	.11	-	—
French, Tours, casks, ex dock..lb.	.13½-		—
kgs., ex dock.....lb.	.14½-		—
Molybdate, bbls.....lb.	.81	-	—
Toner, bbls.....lb.	.80	-	—
Orangeflower petals, cs.....lb.	.45	-	.50
Orange peel, bitter, bis.....lb.	.09	-	.10
sweet, bis.....lb.	.11	-	.12½
Orris root, Florentine, bgs.....lb.	.45		Nom.
fingers, cs.....lb.	1.35		Nom.
powd., bbls., bxs.....lb.	.48		Nom.
Verona, bis.....lb.	.34		Nom.
powd., bxs., cs.....lb.	.37		Nom.
Orthoanisidin, bbls.....lb.	.70	-	—
Orthochloranilin, dms.....lb.	.60	-	.75
Orthochlorophenol, dms.....lb.	.32	-	—
Orthocresol, dms., c.l., works..lb.	.16	-	—
l.c.l., same basis.....lb.	.16½-		—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb.	.06	-	—
l.c.l., same basis.....lb.	.07	-	—
100-lb. tins, same basis..lb.	.08	-	—
50-lb. tins, same basis..lb.	.09	-	—
tanks, same basis.....lb.	.05½-		—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroanilin, dms.....lb.	.55	-	—
Orthonitrochlorobenzene, dms..lb.	.15	-	.18
Orthonitroparachlorophenol, cns.lb.	.75	-	—
Orthonitrotoluene, dms.....lb.	.09	-	—
Orthophenetidin, dms.....lb.	.80	-	—
Orthotoluidin, dms.....lb.	.19	-	—
Osage orange extract, cryst., bbls. lb.	.21	-	—
liquid, 42°, bbls.....lb.	.09	-	—
51°, bbls.....lb.	.10	-	—
Oxyquinolin sulphate, cns., 100-lbs., works..lb.	3.50	-	—
bots., cns., 1-50 lbs.....lb.	3.65	-	4.00
Orthotoluene hydrochloride, dms.lb.	.22	-	—
Sulphonate, kgs.....lb.	2.00	-	2.05

P

Papain, powd., cs.....lb.	1.40	-	1.45
Paprika, Algerian, bgs.....lb.	.31	-	.32
Bulgarian, bgs.....lb.	.28½-		.30
Hungarian, extra fancy, bgs.lb.	.40	-	.41
medium, bgs.....lb.	.36½-		.37
Portuguese, extra fancy, bgs.lb.	.33	-	.34
lb.	.33	-	.34
fancy, bgs.....lb.	.32	-	.33
Spanish, fancy, cs.....lb.	.31	-	.32
Parachlorophenol, dms.....lb.	.32	-	—
Paracymene, refd., dms..... gal.	.75	-	1.25
Paradichlorobenzene, dms., c.l.lb.	.11	-	.12
l.c.l. .....lb.	.12½-		.13⅛
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb.	.02½-		—
bbls., c.l., N.Y.....lb.	.02½-		—
124-126 A.m.p., bgs., c.l., Okla., refy..lb.	.02½-		.02⅝
bbls., c.l., N.Y.....lb.	.02½-		.02⅝
yellow, 124-126 A.m.p., bbls., c.l., N.Y..	.0235-		—
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb.	.0570-		—
128-130 A.m.p., bgs., or loose, c.l..lb.	.0570-		—
131-133 A.m.p., bgs., or loose, c.l..lb.	.0595-		—
133-135 A.m.p., bgs., or loose, c.l..lb.	.0625-		—
135-137 A.m.p., bgs., or loose, c.l..lb.	.0650-		—
138-140 A.m.p., bgs., or loose, c.l..lb.	.0725-		—
143-145 A.m.p., bgs., or loose, c.l..lb.	.0820-		—
151-153 A.m.p., bgs., or loose, c.l..lb.	.15		Nom.

Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l..lb.	.03½-		—
semi-rfd., solid, 122-124 A.m.p., bgs..lb.	.03	-	—
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb.	.23	-	—
100 to 900 lbs. shipments, same basis..lb.	.24	-	—
Paraldehyde, tech., 98%, 55 and 110 gal. dms., c.l., works.lb.	.10	-	—
l.c.l., works.....lb.	.11¼-		—
5- and 10-gal. dms., works..lb.	.15	-	—
USP, cs., cbys.....lb.	.37	-	.45
Paranisidine dms.....lb.	.75	-	—
Paranitroanilin, kgs., works...lb.	.47	-	—
Paranitrochlorobenzene, kgs...lb.	.15	-	—
Paranitrophenol, kgs.....lb.	.35	-	—
Paranitrotoluene, kgs.....lb.	.30	-	—
Parapheny'enediamine, bbls....lb.	1.25	-	1.30
Paratoluenesulphonamide, bbls.lb.	.70	-	—
Paratoluidin, bbls.....lb.	.48	-	—
Pareira brava root, bls.....lb.	.20	-	.21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb.	.23	-	.25
l.c.l., same basis.....lb.	.24	-	.26
Passion flower, herb, bls.....lb.	.08	-	.09
Patchouli leaves, bls.....lb.	.28	-	.30
Pellitory root, bls.....lb.	.30	-	.32
Pennyroyal leaves, bls.....lb.	.15	-	.16
Pentane, norm., 28-38°, dm., c.l., G.3..gal.	.11½-		—
l.c.l., G.3.....gal.	.16	-	—
tanks, G.3.....gal.	.08½-		—
laboratory grade, dms., c.l., G.3, gal.	.14	-	—
l.c.l., G.3.....gal.	.25	-	—
Pepper, black, Alleppey, bags.lb.	.07⅝-		—
Lampong, bags.....lb.	.03¾-		.04
Tellicherry, bags.....lb.	.07½-		.07⅝
White, Java, Muntok, bags..lb.	.07¾-		.07⅝
Singapore, Muntok.....lb.	.07½-		.07½
Red, chillies, Japan, Hontaka.lb.	.24	-	.25
Mombassa, bgs.....lb.	.26½-		.27
Peppermint leaves, dom., bls..lb.	.45	-	.50
imports, bls.....lb.	.75	-	.80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb.	.08	-	—
l.c.l., same basis.....lb.	.08½-		—
Zone 2, dms., c.l., works, frt. alld..lb.	.08½-		—
l.c.l., same basis.....lb.	.09	-	—
Zone 3, dms., c.l., works, frt. alld..lb.	.09	-	—
l.c.l., same basis.....lb.	.09½-		—
Zone 4, dms., c.l., f.o.b. stock points..lb.	.09	-	—
lb.	.09	-	—
l.c.l., same basis.....lb.	.09½-		—

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn. Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana, Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb.	.65	-	.67
Petrolatum, amber, dms., c.l..lb	.03¾-		—
l.c.l. .....lb.	.03⅝-		—
amber, extra, dms.....lb.	.03	-	—
l.c.l. .....lb.	.04	-	—
white, cream, dms., c.l.....lb.	.04	-	—
l.c.l. .....lb.	.05½-		—
lily, dms., c.l.....lb.	.04¾-		—
l.c.l. .....lb.	.06¼-		—
snow, dms., c.l.....lb.	.05½-		—
l.c.l. .....lb.	.07½-		—
Petroleum, crude, bulk, at wells:—			
California .....bbl.	.42	-	1.75
Canada .....bbl.	2.10	-	2.17
Central West:—			
Illinois .....bbl.	.53	-	1.15
Lima .....bbl.	.90	-	—
Michigan .....bbl.	.92	-	1.18
Princeton .....bbl.	1.05	-	—
East Texas.....bbl.	1.10	-	—
Gulf Coast.....bbl.	.74	-	1.41
Kentucky, Tennessee.....bbl.	1.10	-	1.20
Louisiana, Arkansas.....bbl.	.73	-	1.20
Mexico .....bbl.	No prices		
Midcontinent:—			
North Texas.....bbl.	.51	-	1.10
Oklahoma-Kansas ....bbl.	.58	-	1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford, Allegany.....bbl.	1.85	-	—
Corning .....bbl.	1.12	-	—
N. Y. Transit lines....bbl.	1.85	-	—
Eureka lines.....bbl.	1.44	-	—
S. W. Penn lines.....bbl.	1.50	-	—
Lower district in National Transit lines..bbl.	1.73	-	1.78
Rocky Mountains.....bbl.	.51¾-		1.80
South Central and Southwestern Texas..bbl.	.73	-	1.27
Texas Panhandle.....bbl.	.67	-	.96
West Texas.....bbl.	.53	-	.95
Ether, 30-60°, dms., c.l., G.3, gal.	.14½-		—
l.c.l., G.3.....gal.	.25½-		—
tanks, G.3.....gal.	.13½-		—
35-60°, dms., l.c.l., G.3....gal.	.30½-		—
40-75°, dms., c.l., G.3....gal.	.14½-		—
l.c.l., G.3.....gal.	.25½-		—
tanks, G.3.....gal.	.13½-		—
laboratory grade, dms., c.l., G.3..gal.	.14½-		—
c.l., G.3.....gal.	.25½-		—
10-gal. lots, G.3.....gal.	.50½-		—
Lacquer, diluent, at refinery:—			
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal.	.11	-	—
San Francisco..gal.	.11½-		—
f.o.b. Richmond.....gal.	.11	-	—
Willbridge, Ore., Fort Wells, Wash..gal.	.12	-	—
East Coast, tanks.....gal.	.09¼-		.10
Group 3, toluol type, tanks, gal.	.07⅝-		—
benzol type, tanks.....gal.	.07⅞-		—
Naphtha, cleaners', at refinery:—			
East Coast, tanks.....gal.	.09	-	.10½
Group 3, tanks.....gal.	.06⅞-		.07
tankwagon, Boston, ex tax, gal.	.13½-		—
Bridgeport .....gal.	.13½-		—
Chicago, inc. 4c. tax...gal.	.15	-	—
Decatur, inc. 4c. tax...gal.	.1910-		—
tankwagon, Des Moines, inc. 4c. tax..gal.	.1890-		—
Des Moines, inc. 4c. tax, gal.	.1890-		—
Evansville, inc. ex tax.gal.	.15	-	.16
Milwaukee, inc. 5c. tax.gal.	.2030-		—
Minneapolis-St. Paul, inc. 5c. tax..gal.	.20½-		—
Newark, ex tax.....gal.	.10½-		—
New York, ex tax.....gal.	.10½-		—
Omaha, ex tax.....gal.	.1490-		.1590
Oklahoma City, ex tax.gal.	.16½-		—
Philadelphia, ex tax...gal.	.12	-	—
St. Louis, inc. 1c. tax.gal.	.15½-		—
Syracuse, 150 gals.....gal.	.14½-		—
smaller lots, galv. drums, gal.	.10	-	—
milk cans.....gal.	.21	-	—
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal.	.20	-	—
2, over 90% arom., same basis..gal.	.21	-	—
3, same basis.....gal.	.22	-	—
No. 8, tanks, f.o.b. Paulsboro, N. J..gal.	.16½-		—
30, same basis.....gal.	.17½-		—
40, same basis.....gal.	.17⅝-		—
V. M. & P., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal.	.11	-	—
Richmond .....gal.	.11½-		—
Willbridge, Ore., Pt. Wells, Wash..gal.	.12	-	—
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal.	.10	-	—
San Francisco.....gal.	.10¼-		—
Portland, Seattle.....gal.	.11	-	—
East Coast, tanks.....gal.	.09½-		—
Group 3, tanks.....gal.	.06⅞-		.07
tankwagon, Boston, ex tax, gal.	.14½-		—
Chicago, inc. 4c. tax...gal.	.17	-	—
Des Moines, inc. 4c. tax.gal.	.1890-		—
Decatur, inc. 4c. tax...gal.	.1910-		—
Evansville, Ind., ex tax, gal.	.1520-		.1620
Milwaukee, inc. 5c. tax.gal.	.2030-		—
Minneapolis-St. Paul, inc. 5c. tax..gal.	.20	-	—
Newark, ex tax.....gal.	.11½-		—
New York, ex tax.....gal.	.10½-		—
Omaha, ex tax.....gal.	.1490-		.1590
Philadelphia, ex tax...gal.	.13	-	—
St. Louis, inc. 1c. tax.gal.	.1570-		—
Solvent, rubber, at refinery, East Coast, tanks..gal.	.09¼-		—
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal.	.06⅞-		.07
standard, 180 i.b.p., 288 e.p., tanks..gal.	.06⅝-		.07
Stoddard (CS 3-33), at refinery:—			
East Coast, tanks.....gal.	.08¾-		.09½
Group 3, tanks.....gal.	.06⅝-		.06⅞
tankwagon, Boston, ex tax, gal.	.14	-	—
Chicago, inc. 4c. tax...gal.	.1640-		—
Decatur, inc. 4c. tax...gal.	.1860-		—
Des Moines, inc. 4c. tax.gal.	.1840-		—
Evansville, Ind., ex tax.gal.	.14	-	.15
Milwaukee, inc. 5c. tax.gal.	.1980-		—
Minneapolis-St. Paul, inc. 5c. tax..gal.	.1820-		—
Newark, ex tax.....gal.	.09½-		—
New Orleans, ex tax...gal.	.11	-	—
New York, ex tax.....gal.	.09½-		—
Omaha .....gal.	.1360-		.1450
Philadelphia, ex tax...gal.	.13	-	—
St. Louis, inc. 1c. tax..gal.	.1340-		—
Tulsa, ex tax.....gal.	.10½-		.11⅛
Thinners, at refinery:—			
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles..gal.	.10	-	—
Portland .....gal.	.11	-	—
San Francisco.....gal.	.10½-		—
Seattle .....gal.	.11	-	—

Oil, Paraffin—Pot. Bromide

Petroleum, thinners, at refinery, Calif.:—			
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles..gal.	.10	-	—
Portland .....gal.	.11	-	—
San Francisco.....gal.	.10½-		—
Seattle .....gal.	.11	-	—
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles..gal.	.10	-	—
Portland .....gal.	.11	-	—
San Francisco.....gal.	.10½-		—
Seattle .....gal.	.11	-	—
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles..gal.	.08½-		—
Portland .....gal.	.09½-		—
San Francisco.....gal.	.09	-	—
Seattle .....gal.	.09½-		—
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles..gal.	.13	-	—
Portland .....gal.	.14	-	—
San Francisco.....gal.	.13	-	—
Seattle .....gal.	.14½-		—
East Coast, 43-47, tanks..gal.	.06¾-		.09½
47-49, tanks.....gal.	.10½-		—
Group 3, tanks.....gal.	.05⅞-		—
Tankwagon, tax included:—			
Albany .....gal.	.13¼-		—
Baltimore (100 gals.)...gal.	.14	-	—
25-99 gals.....gal.	.16	-	—
Boston .....gal.	.13½-		—
Bound Brook, North Amboy, N. J..gal.	.13½-		—
Bridgeport, Conn.....gal.	.11½-		—
Buffalo .....gal.	.15½-		—
Camden, N. J.....gal.	.10	-	.11¼
Chicago .....gal.	.1670-		—
Decatur .....gal.	.1810-		—
Des Moines.....gal.	.1790-		—
Evansville, Ind.....gal.	.1420-		.1520
Milwaukee .....gal.	.1980-		—
Minneapolis-St. Paul...gal.	.1910-		—
Newark .....gal.	.09½-		—
New York (200 gals)...gal.	.09½-		—
Omaha .....gal.	.12½-		—
Pittsburgh .....gal.	.11½-		.13⅛
Providence .....gal.	.12	-	—
Rochester .....gal.	.12½-		—
St. Louis.....gal.	.1470-		—
Syracuse .....gal.	.10¼-		—
Trenton .....gal.	.10¼-		—
Wilmington, Del.....gal.	.12¼-		—
Phenobarbital, 5-lb. bots.....lb.	3.95	-	—
bots. or cns., 100 lbs., spot or contract..lb.	3.60	-	—
25-lb. cns.....lb.	3.85	-	—
Phenol, USP, dms., c.l., works, frt. equald..lb.	.13	-	—
l.c.l., same basis.....lb.	.13¾-		—
under 1,000 lbs.....lb.	.14¾-		—
tanks, works.....lb.	.12	-	—
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb.	.85	-	—
bbls., dms., kegs, 100-250 lbs., lb.	.87	-	.89
yellow, fib. dms., 2,000-lb. lots, lb.	.90	-	—
100-lb. fib. dms.....lb.	.92	-	—
25-lb. dms.....lb.	.97	-	—
50-lb. kgs.....lb.	.94	-	—
Phenyl chloride, dms.....lb.	.17	-	—
Phenylacetaldehyde, bots.....lb.	2.10	-	2.50
Dimethylacetate, cns.....lb.	14.50		-15.00
Phenyl ethyl acetate, cns.....lb.	2.90	-	3.00
Phenylethylphenyl acetate, bots., lb.	8.00		-15.00
Phenylhydrazine, base, CP, bots. lb.	4.00	-	—
hydrochloride, CP, bots., works. lb.	4.00	-	—
commercial, kgs., works....lb.	1.50	-	—
pure, bbls., works.....lb.	2.25	-	—
Phlorogiucinol, CP, tins, wks..lb.	20.00		-22.00
tech., tins, works.....lb.	15.00		-16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton.	4.35	-	—
land pebble, 68% min., bulk, mines..long ton.	1.90	-	—
70% min., bulk, mines.... long ton.	2.15	-	—
land pebble, 72% min., bulk, mines..long ton.	2.40	-	—
75% basis, 74% min., bulk, mines..long ton.	2.90	-	—
Tenn., 72% bulk, mines..... long ton.	4.50	-	—
75% bulk, mines..long ton.	5.50	-	—
Phosphorus, red, cs.....lb.	.40	-	.44
yellow, dms.....lb.	.18	-	.20
cases .....lb.	.23	-	.25
Oxychloride, cyls.....lb.	.15	-	.16
Pentoxide, dms., c.l., works..lb.	.11	-	.12
l.c.l., dms., works.....lb.	.13	-	.14
Sesquisulphide, cs.....lb.	.38	-	.42
Trichloride, cyls.....lb.	.15	-	.16
Phthalamide, bbls., works, tons, lb.	.35	-	—
single bbls., works.....lb.	.40	-	—
kgs., works.....lb.	.45	-	.50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb.	.14½-		—
l.c.l., same basis.....lb.	.15½-		—
Pichi leaves, bgs.....lb.	.13	-	.14
Pilocarpine hydrochloride, bots., vis..oz.	3.25	-	3.75
Nitrate, bots., vis.....oz.	3.15	-	3.65
Pimento, bags.....lb.	.14½-		.15
Pinkroot, bls.....lb.	.40	-	.41
Pitch, burgundy (see B).			
Coaltar, 160° m.p., bbls., c.l., works..ton.	19.00	-	—
l.c.l. .....ton.	22.00	-	—
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.	23.75		-24.00
Linseed, dms.....lb.	.05	-	.05½
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, bbls.....bbl.	6.00	-	6.50
Plaster of Paris (see Gypsum).			
Pleurisy root, Southern, bls...lb.	.12	-	.13
Podophyllin, dms., dlvd. E. of Miss..lb.	4.50	-	4.70
Poke root, bls.....lb.	.07	-	.07½
Pomegranate bark, bgs.....lb.	.52	-	.53
Root bark, bgs.....lb.	.47	-	.48
Poppy flowers, red, bls.....lb.	.75	-	.80
Seed, Dutch, bgs.....lb.	.20	-	.20½
Turkish, bgs.....lb.	.17	-	.17½
Potash abietate.....lb.	.08	-	—
Acetate, tech., bbls., dlvd...lb.	.26	-	—
kgs., dlvd.....lb.	.28	-	—
USP, bbls., 250 lbs.....lb.	.28	-	—
kgs., 100 lbs.....lb.	.30	-	—
cns., 25 lbs.....lb.	.31	-	.44
Arsenite, USP, solut., cbys., 100 lbs..lb.	.11	-	—
demj., 50 lbs.....lb.	.12	-	—
Bicarbonate, USP, cryst., bbls., 300 lbs..lb.	.17	-	—
kgs., 100 lbs.....lb.	.19	-	—
gran., bbls., 250 lbs.....lb.	.17	-	—
kgs., 100 lbs.....lb.	.19	-	—
Bichromate, spot, c.l., works..lb.	.08⅝-		—
6 casks or 10 bbls., or over, works..lb.	.09	-	—
5 casks or 9 bbls., or less, works..lb.	.09¼-		—
Bromide, USP, gran., bbls., 500 lbs..lb.	.27	-	—
fib. dms., 100 lbs.....lb.	.28	-	—

Potash Carbonate—Soda Ash

Potash, carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst, kgs.....lb. .11 - —
powd., kgs.....lb. .10 - —
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz.14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Gualacolsulphonate, flb. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.20 - —
bots. or cns.....lb. 1.29 - 1.65
dms. .....lb. 1.20 - 1.23
kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports. ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex-vessels, ports. unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. .15 - .17
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton. Atlantic or Gulf ports. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms....lb. .18½- .19
Prussiate, red, bbls.....lb. .45 Nom.
Yellow, bbls.....lb. .17 - .19
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls.....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports..ton.36.25 - —
bulk, same basis.....ton.34.25 - —
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports. ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia, sulphate, dom., bgs, 40%, K_2SO_4, ex-vessel, ports..ton.27.00 - —
bulk, same basis.....ton.25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .75 - .80
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and 1, bbls.. 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse. ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 4.95 - —
(30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless.gal. 7.35 - —
Pyrethrum flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23 - .24
fine powd. Japan, bbls., ton lots, frt., alld..lb. .25 - .26
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, flb. dms., tins..lb. 2.15 - 2.40
resublimed, flb. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis.....ton.12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks, (76 lbs. net, dlvd., N.Y..flask.170.00 -175.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.207.00 - —
ex store.....flask.200.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns..oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cns.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydrochlorosulphate, cns....oz. .81 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .05½ Nom.
Dutch, black, bgs.....lb. .12 - .13
Japanese, bags.....lb. .10½- .11
Raspberries, dried, bls.....lb. .65 - .67
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Red, Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .05¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .46 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order .....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .05 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N. Y..lb. .04½- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls, works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 3.12 - 3.17

Red dyes are listed under Dyes.

Red precipitate, N. F., powd., flb., dms., 50 lbs. or more..lb. 3.36 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lb., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.50 -10.00
Rhubarb, cs.....lb. .50 - .53
powd., bbls., kgs.....lb. .52 - .55
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .25¾- —
smaller lots.....lb. .26¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .24¾- —
smaller lots.....lb. .25¼- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .09 - .10
Rosin, gum, B, bbls. ex dock 100 lbs. 2.05 - —
D, bbls.....100 lbs. 2.10 - —
E, bbls.....100 lbs. 2.09 - —
F, bbls.....100 lbs. 2.11 - —
G, bbls.....100 lbs. 2.11 - —
H, bbls.....100 lbs. 2.11 - —
I, bbls.....100 lbs. 2.11 - —
K, bbls.....100 lbs. 2.13 - —
M, bbls.....100 lbs. 2.15 - —
N, bbls.....100 lbs. 2.31 - —
W. G., bbls.....100 lbs. 2.75 - —
W. W., bbls.....100 lbs. 3.13 - —
X, bbls.....100 lbs. 3.13 - —
wood, F.F., spot, bbls...100 lbs. 1.60 - 2.20
Rottenstone, dom., bgs., c l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls.....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.23.00 -24.00
Safrol, cns.....lb. .90 - —
dms. .....lb. .85 - —
Sage, Dalmatian, stemless....lb. No stocks
garden, bls.....lb. No stocks
Sago flour, bgs.....lb. .03½- .04
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7 00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., flb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton.18.20 -18.35
l.c.l., bgs., dlvd., N.Y..ton.15.00 -15.00
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.60
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons, 100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots....100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.145.00 -150.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls.....lb. .12½- .13
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bales.....lb. .39 - .40
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .20½- —
smaller lots.....lb. .20⅝- .23⅝
kegs, 5,000 lbs., 1 shipm't..lb. .20⅝- —
smaller lots.....lb. .21⅛- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .67 - .70
Senna leaves, Alexandria, half leaf, bls..lb. .16 - .17
siftings, bgs.....lb. .16 - .17
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .65 - .70
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .23 - .24
dlvd., Boston.....lb. .23½- .24½
Chicago .....lb. .23¾- .24¾
Pacific Coast.....lb. .26 - .27
rfd., bbls., f.o.b. N.Y.....lb. .29 - .30
dlvd., Boston.....lb. .29½- .30½
Chicago .....lb. .29¾- .30¾
Pacific Coast.....lb. .32 - .33
Garnet, bgs.....lb. .18½- .19
Shellac, orange, D.C., VSO., Diamond I, cases..lb. .25 - —
Superfine, bgs., f.o.b. Bost., N.Y..lb. .13½- —
dlvd., Chicago.....lb. .14 - .14½
Pacific Coast.....lb. .16½- .17
T.N., bgs., f.o.b. Bost., N.Y..lb. .13 - .13½
dlvd., Chicago.....lb. .13½- .14
Pacific Coast.....lb. .16 - .16½
Varnish, Metro. area, orange, 5-lb. cut, bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
Prices, dlvd., Boston or Chicago, 10c. per gal. higer.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
wet-grd., 95-97%, 400 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26⅞- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .17 - .18
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .20 - .21
Soda, acetate, anhyd., dms., dlvd. lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¼- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —

Soda, ash, light, 58%, bgs., c.l., works..lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., lb., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works..lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot., c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅜- —
smaller quantities.....lb. .08⅝- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Soda hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms..lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 5.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, Oct.-June, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis...ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½

Soda nitrite l.c.l. prices range represents delivery at various points.

Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd , bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. No prices
import, bbls.....lb. .08½ Nom.
Stannate, dms.....lb. .33 - .36
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Soda, sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works..100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.65
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms...lb. .27 - .31
Sulphocyanide, dms., cns.....lb. .28 - .47
Sulphhydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .12 - —
l.c.l., works.....lb. .12¼- .15
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .18 - .20
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, white, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.95 - —
dlvd., N. Y.....100 lbs. 3.30 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.05 - —
dlvd., N. Y.....100 lbs. 3.40 - —
Potato, dom., bgs.....lb. .05 - .06
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¾- —
bbls. .....lb. .07 - —
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .32 - .33
Stearin, oleo, bbls.....lb. .06 Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .25 - .30
Seed, bgs.....lb. .30 - .35
Strontium bromide, dms.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs..lb. 3.75 - 4.00
Strolyi acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .72 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfaniliamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works..100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works..100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., works.. 100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works...100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.65 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90

Soda Ash—Tin, Tetrach.

Sulphur, refined, roll, bgs., c.l. 100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works...100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., work..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05½- .06
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis...ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival.ton. No prices
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose.....lb. .03¾- —
special, loose.....lb. .03¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l., lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
Kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y. unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
high-grade, bulk, Chicago, unit-ton. 2.65 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Oct. shipt. 2.60 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .65 - .70
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .32 - .54
Spanish, bls.....lb. .17½- .18
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns. 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Thiamine hydrochloride, cns..... gram. 1.40 - 1.55
Tin chloride (ous), anhyd.....lb. .47½- .48
Crystals, bbls., kgs.....lb. .38½- .39
Metal, Straits.....lb. .51⅜- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .25 - —

Titanium, Dioxide—Zinc Oxide

Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd....lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd....lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .15 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14½- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd..lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —
barium or magnesium base, bgs., c.l., D. frt. alld..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .05¾- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd .....lb. .05½- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., F lvd.lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.35 - 1.40
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene). 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F. bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .76 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .44 - .45
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb .09¼- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd..lb. .40½- .51½
dms., c.l., divd.....lb. .54½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.06 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, dms., c.l., divd., lb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs.....lb. .07¾- .08¼
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .38 - —
l.c.l., 10 ex dock.....gal. .40 - —
5 ex dock.....gal. .42 - —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities..gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .31 - —
l.c.l., dlvd.....gal. .34 - —
tanks, dlvd.....gal. .26 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - 3.05
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va ton.85.00 - -
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No price
46% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. ton.121.58 ——
basis 37% N (insoluble), f.o.b. Belle, W. Va., or Atl. Gulf ports.....ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .80 - .85
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. 7.25 - 7.75
Mexican, tins.....lb. 7.50 - 8.00
cuts, tins.....lb. 7.25 - 7.50
South American, tins.....lb. 7.25 - 7.50
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins. lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.00 - 1.25
Verdigris, bbls., kgs.....lb. .23 - .33
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03¾- —
Wax, bayberry, import, bgs....lb. .20 - .21
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .35 - —
cakes, 1 to 5 cs. lots...lb. .36 - —
discs, 1 to 5 cs. lots...lb. .37 - —
yellow, crude, Africa, 10-bg. lots..lb. .26 - .27
1 bg.....lb. .26½- .27½
Brazil, bgs., 5-ton lots..lb. .27 - .28
1 ton.....lb. .27½- .28½
500 lbs.....lb. .28 - .29
100 lbs.....lb. .28½- .29½
refd., slabs, cs., lbs.....lb. .29 - .31
Candelilla, bgs, 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19¼
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .57 - .58
5 bgs.....lb. .57½- .58¼
1 bg.....lb. .58 - .59
N. C., 2 bgs., 1 ton.....lb. .61 - .62
N. C., 3 bgs., 1 ton.....lb. .57 - .58
5 bgs.....lb. .57½- .58½
1 bg.....lb. .58 - .59
refined, bgs.....lb. .62 - .63
Wax, carnauba, yellow, No. 1, bgs., 1 ton..lb. .71 - .72
5 bgs.....lb. .71½- .72½
1 bg.....lb. .72 - .73
No. 2, bgs.....lb. .70 - .71
Ceresin, dom., 138°, 140° m.p., bgs., 1ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
Japan, cs.....lb. .17½- .18
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
C, bbls., works.....lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.74 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bags, c.l., ton. 9.65 - —
200 mesh paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works, ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons. works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons. works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra, c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons. works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodfleur, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.34.00 -35.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, ogs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .35 - .40

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works.gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works.gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld. gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .53 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts, lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Yellow, Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works.....lb. .02¼- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0193- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01¼- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅝- —
Yellow, ocher, French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b)..lb. .02⅝ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import....lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis. lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½- Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .10 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, via..oz. 2.85 - —

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35% bgs., c.l., dlvd..lb. .0616- —
l.c.l., dlvd., except Pct. cst..lb. .0641- —
ex whse., Pac. cst..lb. .0641- —
bbls., c.l., dlvd..lb. .0641- —
l.c.l., dlvd., except Pac.cst..lb. .0666- —
ex whse., Pac. cst..lb. .0666- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .0618- —
Pac. cst..lb. .0624- —
l.c.l., dlvd., except Pac. cst..lb. .0643- —
ex whse., Pac. cst..lb. .0649- —
bbls., c.l., dlvd..lb. .0643- —
l.c.l., dlvd., except Pac. cst..lb. .0668- —
ex whse., Pac. cst..lb. .0668- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd..lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
bbls., c.l., dlvd..lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
red seal, bgs., c.l., dlvd. lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —

Zinc, oxide, French process, white seal bgs., c.l., dlvd..lb.	.08¾-	—
l.c.l., dlvd., except Pac. cst..lb.	.09 -	—
ex whse., Pac. cst..lb.	.09 -	—
bbls., c.l., dlvd..lb.	.09 -	—
l.c.l., dlvd., except Pac. cst..lb.	.09¼-	—
ex whse., Pac. cst..lb.	.09¼-	—
imported, gold seal, cks., ex whse..lb.	No prices	
green seal, bbls., ex whse..lb.	No prices	
white, seal, cks., ex whse..lb.	No prices	
USP, bbls., c.l.....lb.	.09¾-	—
Palmitate, bbls.....lb.	.24½-	.27½
Resinate, fused, pale, bbls..lb.	.10 -	—
precip., dms., dlvd.....lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l..lb.	.22 -	—
l.c.l., 1 ton.....lb.	.23 -	—
1,000-2,000 lbs.....lb.	.24 -	—
less than 1,000 lbs...lb.	.25 -	—
USP, bbls.....lb.	.23 -	.26
Sulphate, cryst., bgs., c.l..... 100 lbs.	2.90 -	—
l.c.l. .....100 lbs.	3.65 -	—
bbls., c.l.....100 lbs.	3.05 -	—
l.c.l. .....100 lbs.	3.80 -	—
flake, bgs., c.l.....100 lbs.	3.25 -	—
l.c.l. .....100 lbs.	4.00 -	—
bbls., c.l.....100 lbs.	3.40 -	—
l.c.l. .....100 lbs.	4.15 -	—
powd., bgs., c.l.....100 lbs.	4.55 -	—
l.c.l. .....100 lbs.	5.30 -	—
bbls., c.l.....100 lbs.	4.70 -	—
l.c.l. .....100 lbs.	5.45 -	—
Sulphide, bgs., c.l. (20 tons), dlvd..lb.	.07½-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.07¾-	—
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb.	.07¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.08 -	—
barium, pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.05½-	—
calcium pigments, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.05¼-	—
magnesium, pigment, bgs., c.l., dlvd..lb.	.05½-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.05½-	—
Sulphocarbolate, NF., bbls., dms..lb.	.24 -	.29
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 -	—
l.c.l., works.....100 lbs.	5.50 -	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-	—
ex whse., Pac. cst..lb.	.05¾-	—
Zirconium nitrate, kgs., works.lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.	75.00 -	100.00
white, 98%, grd., kgs., works, lb.	1.80 -	2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (methyl abietate), dms., lots of 10, works..lb.	.10 -	—
single dms., works.....lb.	.12 -	—
5-gal. cans, works.....lb.	.17 -	—
Aroclors, distilled, dms., c.l., works..lb.	.23 -	—
ton lots, works.....lb.	.25 -	—
single dms., works.....lb.	.27 -	—
undistilled, dms., c.l., works, lb.	.18 -	—
ton lots, works.....lb.	.20 -	—
single dms., works.....lb.	.22 -	—

B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works, lb.	.32 -	—
15,000 lbs., works.....lb.	.33 -	—
5,000 lbs., works.....lb.	.34 -	—
XR, 10024, bbls., 30,000 lbs., works..lb.	.45 -	—
15,000 lbs., works.....lb.	.46 -	—
5,000 lbs., works.....lb.	.47 -	—
dispersion resin, BK, 3962 dms., 30,000 lbs., works..lb.	.2490-	—
15,000 lbs., works.....lb.	.2540-	—
5,000 lbs., works.....lb.	.2590-	—
XK, 6791, dms., 30,000 lbs., works..lb.	.2640-	—
15,000 lbs., works.....lb.	.2590-	—
5,000 lbs., works.....lb.	.2640-	—
11545, dms., 30,000 lbs, works, lb.	.3050-	—
15,000 lbs., works.....lb.	.3150-	—
5,000 lbs., works.....lb.	.3250-	—
12788, dms., 30,000 lbs., works, lbs.	.3860-	—
15,000 lbs., works.....lb.	.3960-	—
5,000 lbs., works.....lb.	.4060-	—
lacquer, BR, 2342, dms., 30,000 lbs., works..lb.	.27 -	—
15,000 lbs., works.....lb.	.28 -	—
5,000 lbs., works.....lb.	.29 -	—
XJ, 10433, dms., 30,000 lbs., works..lb.	.37 -	—
15,000 lbs., works.....lb.	.38 -	—
5,000 lbs., works.....lb.	.39 -	—
XR, 3180, dms., 30,000 lbs., works..lb.	.45 -	—
15,000 lbs., works.....lb.	.46 -	—
5,000 lbs., works.....lb.	.47 -	—
4357, dms., 30,000 lbs., works..lb.	.45 -	—
15,000 lbs., works.....lb.	.46 -	—
5,000 lbs., works.....lb.	.47 -	—
9366, dms., 30,000 lbs., works..lb.	.18½-	—
15,000 lbs., works.....lb.	.19 -	—
5,000 lbs., works.....lb.	.19½-	—
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb.	.45 -	—
15,000 lbs., works.....lb.	.46 -	—
5,000 lbs., works.....lb.	.47 -	—
1329, bbls., 30,000 lbs., works..lb.	.25 -	—
15,000 lbs., works.....lb.	.26 -	—
5,000 lbs., works.....lb.	.27 -	—
2967, bbls., 30,000 lbs., works..lb.	.26 -	—
15,000 lbs., works.....lb.	.27 -	—
5,000 lbs., works.....lb.	.28 -	—

Bakelite, phenolic, 3300, bbls., 30,000 lbs., works..lb.	.36 -	—
15,000 lbs., works.....lb.	.37 -	—
5,000 lbs., works.....lb.	.38 -	—
4036, bbls., 30,000 lbs., works..lb.	.37 -	—
15,000 lbs., works.....lb.	.38 -	—
5,000 lbs., works.....lb.	.39 -	—
6882, bbls., 30,000 lbs., works..lb.	.42 -	—
15,000 lbs., works.....lb.	.43 -	—
5,000 lbs., works.....lb.	.44 -	—
8900, bbls., 30,000 lbs., works..lb.	.41 -	—
15,000 lbs., works.....lb.	.42 -	—
5,000 lbs., works.....lb.	.43 -	—
9432, bbls., 30,000 lbs., works..lb.	.29 -	—
15,000 lbs., works.....lb.	.30 -	—
5,000 lbs., works.....lb.	.31 -	—
9476, bbls., 30,000 lbs., works..lb.	.24 -	—
15,000 lbs., works.....lb.	.24½-	—
5,000 lbs., works.....lb.	.25 -	—
10282, bbls., 30,000 lbs., works..lb.	.34 -	—
15,000 lbs., works.....lb.	.35 -	—
5,000 lbs., works.....lb.	.36 -	—
12784, bbls., 30,000 lbs., works..lb.	.30 -	—
15,000 lbs., works.....lb.	.31 -	—
5,000 lbs., works.....lb.	.32 -	—
13468, bbls., 30,000 lbs., works..lb.	.19¾-	—
15,000 lbs., works.....lb.	.20¼-	—
5,000 lbs., works.....lb.	.20¾-	—
XR, 1330, bbls., 30,000 lbs., works..lb.	.30 -	—
15,000 lbs., works.....lb.	.31 -	—
5,000 lbs., works.....lb.	.32 -	—

Bakelite, XR, 9517, bbls., 30,000 lbs., works..lb.	.29 -	—
15,000 lbs., works.....lb.	.30 -	—
5,000 lbs., works.....lb.	.31 -	—
modified, BR, 302, bbls., 30,000 lbs., works..lb.	.2670-	—
15,000 lbs., works.....lb.	.2970-	—
5,000 lbs., works.....lb.	.3070-	—
2072 bbls., 30,000 lbs., works..lb.	.22 -	—
15,000 lbs., works.....lb.	.23½-	—
5,000 lbs., works.....lb.	.24 -	—
2175, bbls., 30,000 lbs., works..lb.	.2810-	—
15,000 lbs., works.....lb.	.2910-	—
5,000 lbs., works.....lb.	.3010-	—
2963, bbls., 30,000 lbs., works..lb.	.24 -	—
15,000 lbs., works.....lb.	.24½-	—
5,000 lbs., works.....lb.	.25 -	—
11504, bbls., 30,000 lbs., works..lb.	.18 -	—
15,000 lbs., works.....lb.	.18½-	—
5,000 lbs., works.....lb.	.19 -	—
11544, bbls., 30,000 lbs., works..lb.	.18 -	—
15,000 lbs., works.....lb.	.18½-	—
5,000 lbs., works.....lb.	.19 -	—
solutions, XJ, 180, dms., 30,000 lbs., works..lb.	.1970-	—
15,000 lbs., works.....lb.	.2020-	—
5,000 lbs., works.....lb.	.2070-	—
2681, dms., 30,000 lbs., works..lb.	.2520-	—
15,000 lbs., works.....lb.	.2570-	—
5,000 lbs., works.....lb.	.2620-	—
Bakelite, phenolic, solutions, XJ, 6,000 dms., 30,000 lbs., works..lb.	.2970-	—
15,000 lbs., works.....lb.	.3070-	—
5,000 lbs., works.....lb.	.3170-	—

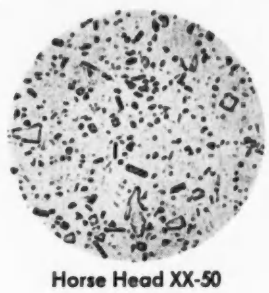
Zinc Oxide—Beckacite

Bakelite, phenolic solution 13895, dms., 30,000 lbs.,		
15,000 lbs., works.....lb.	.2350-	—
5,000 lbs., works.....lb.	.24 -	—
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb.	.14½-	—
1101, dms., 1-9, frt. pd.....lb.	.13 -	—
1102, dms., 1-9, frt. pd.....lb.	.12½-	—
1106, dms., 1-9, frt. pd.....lb.	.14 -	—
1107, dms., 1-9, frt. pd.....lb.	.13 -	—
1108, dms., 1-9, frt. pd.....lb.	.11 -	—
1112, dms., 1-9, frt. pd.....lb.	.14½-	—
1113, dms., 1-9, frt. pd.....lb.	.12 -	—
1116, dms., 1-9, frt. pd.....lb.	.14½-	—
P-146, dms., 1-9, frt. pd....lb.	.11½-	—
P-147, dms., 1-9, frt. pd....lb.	.12 -	—
1121, dms., 1-9, frt. pd.....lb.	.17½-	—
1122, dms., 1-9, frt. pd.....lb.	.14½-	—
1123, dms., 1-9, frt. pd.....lb.	.14½-	—
1124, dms., 1-9, frt. pd.....lb.	.15½-	—
nonphenolic, 1110, dms., 1-9, frt. pd..lb.	.12¾-	—
1111, dms., 1-9, frt. pd.....lb.	.13 -	—
1114, dms., 1-9, frt. pd.....lb.	.12½-	—
1120, dms., 1-9, frt. pd.....lb.	.13 -	—

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and

Whether You Want . . .

Nodular Particles or Acicular . . .



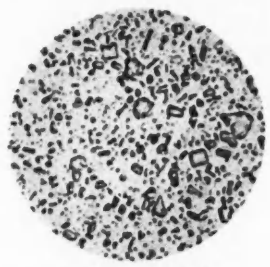
Horse Head XX-50

Horse Head XX-601

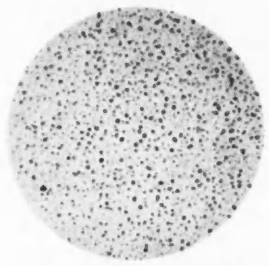
PARTICLE SHAPE

Some paint formulators will find one type suited to their service requirements. Others will wish to have both types. Whichever type you choose, remember that both Horse Head XX-50 and XX-601 zinc oxides were developed especially for increased durability in exterior paints.

Low Reactivity or High . . .



Horse Head XX-505

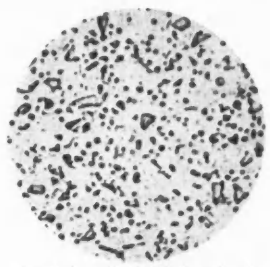


Kadox Black Label—15

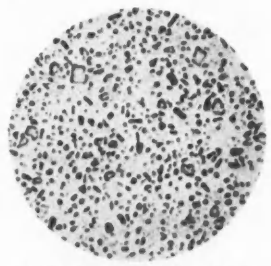
REACTIVITY

Here's a chance to find out the range of zinc oxide reactivity. Try Horse Head XX-505 in vehicles too reactive for the usual type of zinc oxide. Then, try Kadox for hardening slow drying paints, or in certain alkyd vehicles and lacquers where you want extra reactivity.

Blended or Cofumed Oxide . . .



Lehigh—61 (35% Leaded)



Lehigh—6 (35% Leaded)

LEADED ZINC OXIDE

Leaded zinc oxides are produced by blending and by co-fuming. Which type you choose will depend upon your requirements for color and brightness, oil absorption, particle size and shape. Ask a New Jersey Zinc Company representative for further details.

Whatever Type of ZINC OXIDE You Want . . .

One Company Has All Types

New Jersey Zinc

The New Jersey Zinc Co., 160 Front St., New York

Beckamine—Paranol

½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd.	lb.	.22½-	—
P-2, dms., 1-9, frt. pd.	lb.	.12 -	—
P-138, dms., 1-9, frt. pd.	lb.	.21½-	—
P-196, dms., 1-9, frt. pd.	lb.	.24 -	—
P-198, dms., 1-9, frt. pd.	lb.	.36 -	—

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd.	lb.	.16½-	—
No. 27, light, dms., 1-9, frt. pd.,	lb.	.18½-	—

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd.	lb.	.17½-	—

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms, 1-9, frt. pd.	lb.	.11½-	—
1501, dms., 1-9, frt. pd.	lb.	.12½-	—
Solid, 1, dms., 1-9, frt. pd.	lb.	.27 -	—
3, dms., 1-9, frt. pd.	lb.	.23 -	—
7, dms., 1-9, frt. pd.	lb.	.23 -	—
13, dms., 1-9, frt. pd.	lb.	.23 -	—
18, dms., 1-9, frt. pd.	lb.	.23 -	—
19, dms., 1-9, frt. pd.	lb.	.28 -	—
24, dms., 1-9, frt. pd.	lb.	.31 -	—
31, dms., 1-9, frt. pd.	lb.	.23 -	—
32, dms., 1-9, frt. pd.	lb.	.22 -	—
40, dms., 1-9, frt. pl.	lb.	.19 -	—
Solution, nonphenolic, 1309, dms., 1-9, frt. pd.	lb.	.18½-	—
1319, dms., 1-9, frt. pd.	lb.	.19½-	—
1321, dms., 1-9, frt. pd.	lb.	.17½-	—
1940, dms., 1-9, frt. pd.	lb.	.09½-	—
1941, dms., 1-9, frt. pd.	lb.	.09½-	—
phenol modified, 1303, dms., 1-9, frt. pd.	lb.	.13½-	—
1304, dms., 1-9, frt. pd.	lb.	.13½-	—
1320, dms., 1-9, frt. pd.	lb.	.14 -	—
1325, dms., 1-9, frt. pd.	lb.	.13 -	—
1328, dms., 1-9, frt. pd.	lb.	.12 -	—
1329, dms., 1-9, frt. pd.	lb.	.12 -	—
phenol modified and oil extended, 1, dms., 1-9, frt. pd.	lb.	.14½-	—
2, dms., 1-9, frt. pd.	lb.	.14 -	—
1316, dms., 1-9, frt. pd.	lb.	.15½-	—
1326, dms., 1-9, frt. pd.	lb.	.15 -	—
phenol, pure, alkyd, 1306, dms., 1-9, frt. pd.	lb.	.12½-	—
1307, ex. lt., dms., 1-9, frt. pd.	lb.	.14½-	—
light, dms., 1-9, frt. pd.	lb.	.13½-	—
1308, dms., 1-9, frt. pd.	lb.	.14½-	—
1313, ex. lt., dms., 1-9, frt. pd.	lb.	.13¼-	—
light, dms., 1-9, frt. pd.	lb.	.12½-	—
1318, dms., 1-9, frt. pd.	lb.	.17½-	—
1323, ex. lt., dms., 1-9, frt. pd.	lb.	.14½-	—
light, dms., 1-9, frt. pd.	lb.	.13½-	—
1324, dms., 1-9, frt. pd.	lb.	.25½-	—
1331, dms., 1-9, frt. pd.	lb.	.12½-	—
1332, dms., 1-9, frt. pd.	lb.	.12 -	—
1333, dms., 1-9, frt. pd.	lb.	.15½-	—
1334, dms., 1-9, frt. pd.	lb.	.13½-	—
P-7, dms., 1-9, frt. pd.	lb.	.14½-	—
P-48, dms., 1-9 frt. pd.	lb.	.12½-	—
P-94, dms., 1-9, frt. pd.	lb.	.16¼-	—
P-236, dms., 1-9 frt. pd.	lb.	.13 -	—

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1¼c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.	lb.	.06 -	—
BX, dms., works.	lb.	.06 -	—
CX, dms., gross weight, works, lb.		.05 -	—
DX, dms., gross weight, works, lb.		.04½-	—
EX, dms., gross weight, works, lb.		.04½-	—
FX, dms., gross weight, works, lb.		.05 -	—
MH, col. 1, dms., works.	lb.	.11 -	—
1½-2, dms., works.	lb.	.10 -	—
2½-3½, dms., works.	lb.	.09 -	—
9, dms., works.	lb.	.06½-	—
MS, dms., works.	lb.	.10 -	—
Cumar, P, 10°-90° C., col. 2½ and darker, dms., works.	lb.	.10½-	—
RH, dms., works.	lb.	.10 -	—
RS, dms., works.	lb.	.10 -	—
special soft, dms., works.	lb.	.10 -	—
V, col. ½, dms., works.	lb.	.12 -	—
1, dms., works.	lb.	.11 -	—
1½-2, dms., works.	lb.	.10 -	—
2½ and darker, dms., works.	lb.	.09 -	—
W, col., ½, dms., works.	lb.	.13 -	—
1, dms., works.	lb.	.12 -	—
1½-2, dms., works.	lb.	.11 -	—
2½ and darker, dms., works.	lb.	.10 -	—

Cumar prices includes frt. equald., with Pittsburgh; prices on contracts are ¼c. per pound lower.

D

Durite, 1,301 pale, one drum and over.	lb.	.25 -	—
smaller lots.	lb.	.26 -	—
1,321, c.l.	lb.	.40 -	—
2,000 lbs. to c.l.		.41 -	—
smaller lots.	lb.	.42 -	—

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, solid, Grade A, c.l., dlvd.	lb.	.22 -	—
10 dms. or more, dlvd.	lb.	.22¼-	—
9 dms. or less, dlvd.	lb.	.23¼-	—
B, c.l., dlvd.	lb.	.21½-	—
10 dms. or more, dlvd.	lb.	.22¼-	—
9 dms. or less, dlvd.	lb.	.23 -	—
Esterol, D, c.l., dlvd.	lb.	.21½-	—
10 dms. or more, dlvd.	lb.	.22¼-	—
9 dms. or less, dlvd.	lb.	.23 -	—
H-1, c.l., dlvd.	lb.	.22 -	—
10 dms. or more, dlvd.	lb.	.22¾-	—
9 dms. or less, dlvd.	lb.	.23½-	—
PV, c.l., dlvd.	lb.	.21½-	—
10 dms. or more, dlvd.	lb.	.22¼-	—
9 dms. or less, dlvd.	lb.	.23 -	—
1-L, c.l., dlvd.	lb.	.22 -	—
10 dms. or more, dlvd.	lb.	.22¾-	—
9 dms. or less, dlvd.	lb.	.23½-	—
575, c.l., dlvd.	lb.	.23 -	—
10 dms. or more, dlvd.	lb.	.23¾-	—
9 dms. or less, dlvd.	lb.	.24½-	—
701, c.l., dlvd.	lb.	.22 -	—
10 dms. or more, dlvd.	lb.	.22¾-	—
9 dms. or less, dlvd.	lb.	.23½-	—
750, c.l., dlvd.	lb.	.21 -	—
10 dms. or more, dlvd.	lb.	.21¾-	—
9 dms. or less, dlvd.	lb.	.22½-	—
809, c.l., dlvd.	lb.	.22 -	—
10 dms. or more, dlvd.	lb.	.22¾-	—
9 dms. or less, dlvd.	lb.	.23½-	—
830, c.l., dlvd.	lb.	.22½-	—
10 dms. or more, dlvd.	lb.	.23¼-	—
9 dms. or less, dlvd.	lb.	.24 -	—
Solution, Grade A, c.l., dlvd.	lb.	.13 -	—
10 dms. or more, dlvd.	lb.	.13½-	—
9 dms. or less, dlvd.	lb.	.14 -	—
B, c.l., dlvd.	lb.	.11¾-	—
10 dms. or more, dlvd.	lb.	.12¼-	—
9 dms. or less, dlvd.	lb.	.12¾-	—
D, c.l., dlvd.	lb.	.11¾-	—
10 dms. or more, dlvd.	lb.	.12¼-	—
9 dms. or less, dlvd.	lb.	.12¾-	—
E, c.l., dlvd.	lb.	.14 -	—
10 dms. or more, dlvd.	lb.	.14½-	—
9 dms. or less, dlvd.	lb.	.15 -	—
H-1, c.l., dlvd.	lb.	.15 -	—
10 dms. or more, dlvd.	lb.	.15½-	—
9 dms. or less, dlvd.	lb.	.16 -	—
PV, c.l., dlvd.	lb.	.13½-	—
10 dms. or more, dlvd.	lb.	.14 -	—
9 dms. or less, dlvd.	lb.	.14½-	—
1-L, c.l., dlvd.	lb.	.13 -	—
10 dms. or more, dlvd.	lb.	.13½-	—
9 dms. or less, dlvd.	lb.	.14 -	—
562, c.l., dlvd.	lb.	.13 -	—
10 dms. or more, dlvd.	lb.	.13½-	—
9 dms. or less, dlvd.	lb.	.14 -	—
575, c.l., dlvd.	lb.	.13 -	—
10 dms. or more, dlvd.	lb.	.13½-	—
9 dms. or less, dlvd.	lb.	.14 -	—
640-N, c.l., dlvd.	lb.	.12 -	—
10 dms. or more, dlvd.	lb.	.12½-	—
9 dms. or less, dlvd.	lb.	.13 -	—
660-N, c.l., dlvd.	lb.	.10½-	—
10 dms. or more, dlvd.	lb.	.11 -	—
9 dms. or less, dlvd.	lb.	.11½-	—
701, c.l., dlvd.	lb.	.12 -	—
10 dms. or more, dlvd.	lb.	.12½-	—
9 dms. or less, dlvd.	lb.	.13 -	—
747, c.l., dlvd.	lb.	.11¼-	—
10 dms. or more, dlvd.	lb.	.11¾-	—
9 dms. or less, dlvd.	lb.	.12¼-	—
750, c.l., dlvd.	lb.	.13¼-	—
10 dms. or more, dlvd.	lb.	.14 -	—
9 dms. or less, dlvd.	lb.	.14½-	—
809, c.l., dlvd.	lb.	.12 -	—
10 dms. or more, dlvd.	lb.	.12½-	—
9 dms. or less, dlvd.	lb.	.13 -	—
830, c.l., dlvd.	lb.	.13½-	—
10 dms. or more, dlvd.	lb.	.14 -	—
9 dms. or less, dlvd.	lb.	.14½-	—
1900, c.l., dlvd.	lb.	.12¼-	—
10 dms. or more, dlvd.	lb.	.12¾-	—
9 dms. or less, dlvd.	lb.	.13¼-	—
1825, c.l., dlvd.	lb.	.14 -	—
2185, c.l., dlvd.	lb.	.10¼-	—
10 dms. or more, dlvd.	lb.	.11 -	—
9 dms. or less, dlvd.	lb.	.11½-	—
2195, c.l., dlvd.	lb.	.13¼-	—
10 dms. or more, dlvd.	lb.	.14 -	—
9 dms. or less, dlvd.	lb.	.14½-	—
2633, c.l., dlvd.	lb.	.11½-	—
10 dms. or more, dlvd.	lb.	.12 -	—
9 dms. or less, dlvd.	lb.	.12½-	—
2600, c.l., dlvd.	lb.	.15 -	—
10 dms. or more, dlvd.	lb.	.15½-	—
9 dms. or less, dlvd.	lb.	.16 -	—

Esterol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind. St. Louis, Mo., Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis), Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

G

G, resin, dms., gross weight, works.	lb.	.07½-	—

G resin prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.	lb.	.11¼-	—
Guai-a-phene, 10-gal. cns., works,	gal.	2.57 -	—
5-gal. cns., works.	gal.	2.62 -	—
1-gal. cns., works.	gal.	2.82 -	—
dms., works.	gal.	2.50 -	—

H

Hercolyn (hydrogenated methyl abietate), dms., lots of 10, works.	lb.	.15 -	—
single dms., works.	lb.	.17 -	—
cns. works.	lb.	.22 -	—
Hydrogum, P-100, c.l., dms., frt. pd.	lb.	.14 -	—
l.c.l., 10 dms., frt. pd.	lb.	.14½-	—
1-9 dms., frt. pd.	lb.	.15 -	—

Hydrogum prices are subject to the same geographical differentials as Beckacite.

J

Jozite (see zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd.	lb.	.06½-	—
l.c.l., dlvd. E. of Rockies.	lb.	.06¾-	—
Pac. coast, ex whse.	lb.	.06¾-	—
bbls., c.l., dlvd.	lb.	.06¾-	—
l.c.l., dlvd. E. of Rockies.	lb.	.07 -	—
Pac. coast, ex whse.	lb.	.07 -	—
No. 25, bgs., c.l., dlvd.	lb.	.07¾-	—
l.c.l., dlvd. E. of Rockies,	lb.	.08 -	—
Pac. coast, ex whse.	lb.	.08 -	—
bbls., c.l., dlvd.	lb.	.08 -	—
l.c.l., dlvd. E. of Rockies,	lb.	.08¼-	—
Pac. coast, ex whse.	lb.	.08¼-	—
Katalised oil, 665, dms., c.l., frt. pd.	lb.	.23½-	—
l.c.l., frt. pd.	lb.	.23 -	—

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd.	lb.	.18½-	—
501, dms., 1-9, frt. pd.	lb.	.16½-	—
502, dms., 1-9, frt. pd.	lb.	.15 -	—

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Kopol, R-C copal, cracked nut, dms., c.l., frt. pd.	lb.	.12 -	—
l.c.l., frt. pd.	lb.	.12½-	—

R-C copal prices are subject to the same geographical differentials as Beckacite.

L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd.	lb.	.11¼-	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.11¾-	—
smaller quantities, dlvd.	lb.	.12¼-	—
No. 2, c.l., dlvd.	lb.	.12 -	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.12½-	—
smaller quantities, dlvd.	lb.	.13 -	—
No. 2L, c.l., dlvd.	lb.	.12¼-	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.12¾-	—
smaller quantities, dlvd.	lb.	.13¼-	—
No. 3, c.l., dlvd.	lb.	.16½-	—
l.c.l., 10 dms., dlvd.	lb.	.17½-	—
1-9 dms., dlvd.	lb.	.18½-	—
No. 18, c.l., dlvd.	lb.	.11 -	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.11½-	—
smaller quantities, dlvd.	lb.	.12 -	—
No. 24, c.l., dlvd.	lb.	.12 -	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.12½-	—
smaller quantities, dlvd.	lb.	.13 -	—
No. 28, c.l., dlvd.	lb.	.12 -	—
l.c.l., 8 dms., dlvd.	lb.	.12½-	—
1-7 dms., dlvd.	lb.	.13 -	—
No. 33, c.l., dlvd.	lb.	.12 -	—
l.c.l., 8 dms., dlvd.	lb.	.12½-	—
1-7 dms., dlvd.	lb.	.13 -	—
Modified phenolics, No. 101, c.l., dlvd.	lb.	.17½-	—
l.c.l., 8 dms., dlvd.	lb.	.18 -	—
1-7 dms., dlvd.	lb.	.18½-	—
No. 115, c.l., dlvd.	lb.	.10½-	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.11 -	—
smaller quantities, dlvd.	lb.	.11½-	—
No. 120, c.l., dlvd.	lb.	.12 -	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.12½-	—
smaller quantities, dlvd.	lb.	.13 -	—
No. 125, c.l., dlvd.	lb.	.11 -	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.11½-	—
smaller quantities, dlvd.	lb.	.12 -	—
No. 150, c.l., dlvd.	lb.	.13½-	—
l.c.l., 10 bbls. or 8 dms., dlvd.	lb.	.14 -	—
smaller quantities, dlvd.	lb.	.14½-	—
No. 300, c.l., dlvd.	lb.	.30 -	—
l.c.l., 8 dms., dlvd.	lb.	.30½-	—
1-7 dms., dlvd.	lb.	.31 -	—
No. 805, c.l., dlvd.	lb.	.11 -	—
l.c.l., 8 dms., dlvd.	lb.	.11½-	—
1-7 dms., dlvd.	lb.	.12 -	—
No. 310, c.l., dlvd.	lb.	.13½-	—
l.c.l., 8 dms., dlvd.	lb.	.14 -	—
1-7 dms., dlvd.	lb.	.14½-	—
No. 320, c.l., dlvd.	lb.	.13 -	—
l.c.l., 8 dms., dlvd.	lb.	.13½-	—
1-7 dms., dlvd.	lb.	.14 -	—

N

Neo-Fat drying oil, 17 T.G., dms., c.l., dlvd.	lb.	.09 -	—
19 T.G., dms., c.l., dlvd.	lb.	.11½-	—
19 T.G. bodied, dms., c.l., dlvd.	lb.	.12¾-	—
fatty acids, 3R, dms., c.l., dlvd.	lb.	.08 -	—
17, dms., c.l., dlvd.	lb.	.07¼-	—
19, dms., c.l., dlvd.	lb.	.09½-	—

Neo-fat prices are ¼c. per lb. higher in Texas, ¾c. higher on Pacific Coast.

Nevillac, pale, hard, dms., works.	lb.	.16 -	—
hard, 85-95° C, dms., works.	lb.	.15 -	—
soft, 65-75° C, dms., works.	lb.	.15 -	—

Nevillac prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works.	lb.	.13 -	—
R-3, nevindene, col. 1, dms., works.	lb.	.12 -	—
R-5, nevindene, col. 1½-2, dms., works.	lb.	.11 -	—
R-6, nevindene, col. 2½-3½, dms., works.	lb.	.10 -	—
R-7, N.P.S., col. below 3, dms., works.	lb.	.12 -	—
R-8, N.P.S., col. below 3, dms., works.	lb.	.12½-	—
R-9, hard, col. ½, dms., works.	lb.	.12 -	—
R-10, hard, col. 1, dms., works.	lb.	.11 -	—
R-11, hard, col. 1½-2, dms., works.	lb.	.10 -	—
R-12, hard, col. 2½-3½, dms., works.	lb.	.09 -	—
R-13, medium, col. ½, dms., works.	lb.	.12 -	—
R-14, medium, col. 1, dms., works.	lb.	.11 -	—
R-15, medium, col. 1½-2 dms., works.	lb.	.10 -	—
R-16, medium, col. 2½-4, dms., works.	lb.	.09 -	—
R-16-A, medium, col. 7-10, dms., works.	lb.	.06½-	—
R-17, medium soft, col. 3½-8, dms., works.	lb.	.10 -	—
R-19, medium soft, col. 3½-8, dms., works.	lb.	.10 -	—
R-21, soft, col. 3½-8, dms., works.	lb.	.10 -	—
R-22, special, soft, col. 3½-8, dms., works.	lb.	.10 -	—
R-27, medium soft, col. 1, dms., works.	lb.	.12½-	—
Neville resin, R-28, medium soft, col. 1½-2, dms., works.	lb.	.11½-	—
R-29, medium soft, col. 2½-8, dms., works.	lb.	.10½-	—
465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh.	lb.	.03	
Modified polystyrene, LX-228, 90-110° C., col. 3-3½, dms.	lb.	.45 -	—
LX-229, 125-140° C., col. 3-4, dms.	lb.	.35 -	—
LX-230, 125-140° C., col. 2-3, dms.	lb.	1.10 -	—
LX-231, 145-160° C., col. 2-3, dms.	lb.	.90 -	—

Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse. 3c. per pound extra. Modified polystyrene resins are 5c. per lb. additional for less than full drum shipments and are f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works.	lb.	1.25 -	—
No. 1, water-white, 100-lb. dms., works.	lb.	.65 -	—
No. 2, prime-white, 100-lb. dms., works.	lb.	.55 -	—
No. 3, very light straw, 100-lb. dms., works.	lb.	.50 -	—
No. 4, very light straw, 100-lb. dms., works.	lb.	.42 -	—
oil, dms., works.	lb.	1.40 -	—
Nevinol, dms., works.	lb.	.13 -	—
oil, heavy, rfd., dms., works,	lb.	.10 -	—
Notol, tanks, f.o.b. Pittsburgh,	lb.	.23 -	—
dms., returnable.	lb.	.28 -	—
Nuba, 1, 80-95°C., dms., gross weight, works.	lb.	.0265-	—
2, 100-125°C., dms., gross weight, works.	lb.	.0265-	—
3x, 135-150°C., dms., gross weight, works.	lb.	.04 -	—

Nuba resin prices on contracts terminating December, 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs.	lb.	.28½-	—
11½%, 100-lb. pkgs.	lb.	.52 -	—
cobalt acetate, 100-lb. pkgs.,	lb.	.80½-	—
iron, 6%, 400-lb. pkgs.	lb.	.13½-	—
11%, 100-lb. pkgs.	lb.	.23 -	—
lead, 24%, 450-lb. pkgs.	lb.	.12½-	.13¼
32%, 450-lb. pkgs.	lb.	.16 -	—
34%, 100-lb. pkgs.	lb.	.16¾-	—
40%, 100-lb. pkgs.	lb.	.19¾-	—
lead 30%, cobalt 3%, 150-lb. pkgs.	lb.	.28¼-	—
lead 30%, manganese 3%, 150-lb. pkgs.	lb.	.21 -	—
manganese, 6%, 400-lb. pkgs.,	lb.	.13 -	.14
10½%, 100-lb. pkgs.	lb.	.21¾-	—
zinc, 8%, 400-lb. pkgs.	lb.	.14 -	—
10%, 400-lb. pkgs.	lb.	.17 -	—
14%, 100-lb. pkgs.	lb.	.23¼-	—
Nuodite, cobalt, 18%, 100-lb. pkgs.	lb.	.71½-	—
lead, 64%, 100-lb. pkgs.	lb.	.23 -	—
manganese, 24%, 100-lb. pkgs,	lb.	.39 -	—

All prices are f.o.b. customers' plants, East of Denver.

Nypene resin, dms., c.l., works,	lb.	.16 -	—
l.c.l.	lb.	.16½-	—

P

Paradene, No. 1, 75-99°C., dms., gross wt., works.	lb.	.04½-	—
2, 100-124°C., dms., gross wt., works.	lb.	.04½-	—

Paradene prices on contract terminating Dec., 1940, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd.	lb.	.25½-	—
10 pkgs. or more, dlvd.	lb.	.26½-	—
9 pkgs. or less, dlvd.	lb.	.27½-	—
C, c.l., dlvd.	lb.	.29½-	—
10 pkgs. or more, dlvd.	lb.	.30½-	—
9 pkgs. or less, dlvd.	lb.	.31½-	—
10-P, c.l., dlvd.	lb.	.32 -	—
10 pkgs. or more, dlvd.	lb.	.33 -	—
9 pkgs. or less, dlvd.	lb.	.34 -	—
46, c.l., dlvd.	lb.	.21½-	—
10 pkgs. or more, dlvd.	lb.	.22½-	—
9 pkgs. or less, dlvd.	lb.	.23½-	—
273, c.l., dlvd.	lb.	.23 -	—
10 pkgs. or more, dlvd.	lb.	.24 -	—
9 pkgs. or less, dlvd.	lb.	.25 -	—
367, c.l., dlvd.	lb.	.32 -	—
10 pkgs. or more, dlvd.	lb.	.33 -	—
9 pkgs. or less, dlvd.	lb.	.34 -	—
540, c.l., dlvd.	lb.	.32 -	—
10 pkgs. or more, dlvd.	lb.	.33 -	—
9 pkgs. or less, dlvd.	lb.	.34 -	—
Paranol resin, extra hard, No. 1, c.l., dlvd.	lb.	.14½-	—
10 pkgs. or more, dlvd.	lb.	.15 -	—
9 pkgs or less, dlvd.	lb.	.15½-	—
Extra hard, No. 2, c.l., dlvd.	lb.	.14 -	—
10 pkgs. or more, dlvd.	lb.	.14½-	—
9 pkgs. or less, dlvd.	lb.	.15 -	—
Extra hard, No. 3, c.l., dlvd.	lb.	.13½-	—
10 pkgs. or more, dlvd.	lb.	.14 -	—
9 pkgs. or less, dlvd.	lb.	.14½-	—
Hard, No. 1, c.l., dlvd.	lb.	.12½-	—
10 pkgs. or more, dlvd.	lb.	.13 -	—
9 pkgs. or less, dlvd.	lb.	.13½-	—
Hard, No. 2, c.l., dlvd.	lb.	.12 -	—
10 pkgs. or more, dlvd.	lb.	.12½-	—
9 pkgs. or less, dlvd.	lb.	.13 -	—
Hard, No. 3, c.l., dlvd.	lb.	.11½-	—
10 pkgs. or more, dlvd.	lb.	.12 -	—
9 pkgs. or less, dlvd.	lb.	.12½-	—
100, c.l., dlvd.	lb.	.15½-	—
10 pkgs or more, dlvd.	lb.	.16 -	—
9 pkgs. or less, dlvd.	lb.	.16¼-	—
105, extra light, c.l., dlvd.	lb.	.12 -	—
10 pkgs. or more, dlvd.	lb.	.12½-	—
9 pkgs. or less, dlvd.	lb.	.13 -	—
105, dark, c.l., dlvd.	lb.	.11½-	—
10 pkgs or more, dlvd.	lb.	.12 -	—
9 pkgs. or less, dlvd.	lb.	.12½-	—
105-B, extra light, c.l., dlvd.	lb.	.11½-	—
10 pkgs. or more, dlvd.	lb.	.12 -	—
9 pkgs. or less, dlvd.	lb.	.12½-	—
200, c.l., dlvd.	lb.	.16 -	—
10 pkgs. or more, dlvd.	lb.	.16½-	—
9 pkgs. or less, dlvd.	lb.	.17 -	—
500, hard, c.l., dlvd.	lb.	.13½-	—
10 pkgs. or more, dlvd.	lb.	.14 -	—
9 pkgs. or less, dlvd.	lb.	.14½-	—
500, extra hard, c.l., dlvd.	lb.	.16 -	—
10 pkgs. or more, dlvd.	lb.	.16½-	—
9 pkgs. or less, dlvd.	lb.	.17 -	—
800, extra light, c.l., dlvd.	lb.	.14½-	—
10 pkgs. or more, dlvd.	lb.	.15 -	—
9 pkgs. or less, dlvd.	lb.	.15½-	—
Paranol resin, 800, dark, c.l., dlvd.	lb.	.13½-	—
10 pkgs. or more, dlvd.	lb.	.14 -	—
9 pkgs. or less, dlvd.	lb.	.14½-	—
850, c.l., dlvd.	lb.	.14½-	—
10 pkgs. or more, dlvd.	lb.	.15 -	—
9 pkgs. or less, dlvd.	lb.	.15½-	—
900, c.l., dlvd.	lb.	.11½-	—
10 pkgs. or more, dlvd.	lb.	.12 -	—
9 pkgs. or less, dlvd.	lb.	.12½-	—
1574, c.l., dlvd.	lb.	.13 -	—
10 pkgs. or more, dlvd.	lb.	.13½-	—
9 pkgs. or less, dlvd.	lb.	.14 -	—
1600, c.l., dlvd.	lb.	.13½-	—
10 pkgs. or more, dlvd.	lb.	.14 -	—
9 pkgs. or less, dlvd.	lb.	.14½-	—
1700, c.l., dlvd.	lb.	.14 -	—
10 pkgs. or more, dlvd.	lb.	.14½-	—
9 pkgs. or less dlvd	lb.	.15 -	—
Paranol resin, 1939, c.l., dlvd.	lb.	.12 -	—
10 pkgs. or more, dlvd.	lb.	.12½-	—
9 pkgs. or less, dlvd.	lb.	.13 -	—
1640, c.l., dlvd.	lb.	.13½-	—
10 pkgs. or more, dlvd.	lb.	.14 -	—
9 pkgs. or less, dlvd.	lb.	.14½-	—
1650, c.l., dlvd.	lb.	.12 -	—
10 pkgs. or more, dlvd.	lb.	.12½-	—
9 pkgs. or less, dlvd.	lb.	.13 -	—
LB, No. 1, c.l., dlvd.	lb.	.13 -	—
10 pkgs. or more, dlvd.	lb.	.13½-	—
9 pkgs. or less, dlvd.	lb.	.14 -	—
LB, No. 5, c.l., dlvd.	lb.	.13 -	—
10 pkgs. or more, dlvd.	lb.	.13½-	—
9 pkgs. or less, dlvd.	lb.	.14 -	—
LB, No. 89, c.l., dlvd.	lb.	.11½-	—
10 pkgs. or more, dlvd.	lb.	.12 -	—
9 pkgs. or less, dlvd.	lb.	.12½-	—
LN, 100, c.l., dlvd.	lb.	.13½-	—
10 pkgs. or more, dlvd.	lb.	.14 -	—
9 pkgs. or less, dlvd.	lb.	.14½-	—

Paradura and paranol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind., St. Louis, Mo.; Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis); Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston,

Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

Phenester, color 8½-5, dms., works	lb.	.17 -	—
P.H.O., dms., works	lb.	.19 -	—
Pliolite, powder, ton lots, works	lb.	.66 -	—
smaller lots, works	lb.	.69 -	.74
P1235, ton lots, works	lb.	.67 -	—
smaller lots, works	lb.	.70 -	.74
P1269, ton lots, works	lb.	.67 -	—
smaller lots, works	lb.	.70 -	.74
Resin, clear, ton lots, works	lb.	.75 -	—
smaller lots, works	lb.	.79 -	.84
No. 20, ton lots, works	lb.	.75 -	—
smaller lots, works	lb.	.79 -	.84
No. 40, ton lots, works	lb.	.75 -	—
smaller lots, works	lb.	.79 -	.84

R

Resinous oil, No. XI, dms., works	lb.	.019 -	—

S

Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N. D., S. D., Neb., Kan., Okla. and Tex.	lb.	.06 -	—
l.c.l., dms. (500 lbs.), same basis	lb.	.06½-	—
smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del.	lb.	.20 -	—
Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd.	lb.	.31 -	—
1003, dms., 1-9, frt. pd.	lb.	.30 -	—
2000, dms., 1-9, frt. pd.	lb.	.26 -	—
2687, dms., 1-9, frt. pd.	lb.	.21 -	—
3000, dms., 1-9, frt. pd.	lb.	.48 -	—
3005, dms., 1-9, frt. pd.	lb.	.45 -	—

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005 where 10 dms. are 1½c. less and carloads 3c.; prices subject same geographical differentials as beckacite.

Super-beckamine, 3500, dms., 1-9, frt. pd.	lb.	.29½-	—
Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs.	ton.	35.00 -	—
BB, bgs., c.l., frt. alld. up to 25c. per 100 lbs.	ton.	40.00 -	—
MM, bgs., c.l., frt. alld., up to 25c. per 100 lbs.	ton.	38.00 -	—
Syntex resin, 13, 1-9 dms.	100 lbs.	14.50 -	—
14, 1-9 dms.	100 lbs.	15.00 -	—
17, 1-9 dms.	100 lbs.	13.25 -	—
18, 1-9 dms.	100 lbs.	14.75 -	—
19-A, 1-9 dms.	100 lbs.	15.25 -	—
20-A, 1-9 dms.	100 lbs.	15.25 -	—
21-B, 1-9 dms.	100 lbs.	13.25 -	—
22, 1-9 dms.	100 lbs.	15.00 -	—
23, 1-9 dms.	100 lbs.	13.25 -	—
28, 1-9 dms.	100 lbs.	17.00 -	—
29, 1-9 dms.	100 lbs.	12.50 -	—
32, 50%, 1-9 dms.	100 lbs.	12.50 -	—
34, 1-9 dms.	100 lbs.	15.75 -	—
40, 1-9 dms.	100 lbs.	15.00 -	—
119, 1-9 dms.	100 lbs.	19.00 -	—
219, 1-9 dms.	100 lbs.	14.50 -	—
H-3, 1-9 dms.	100 lbs.	13.00 -	—
H-5, 1-9 dms.	100 lbs.	14.50 -	—
H-10, 1-9 dms.	100 lbs.	15.25 -	—
H-12, 1-9 dms.	100 lbs.	16.00 -	—
H-15, 1-9 dms.	100 lbs.	11.50 -	—
H-46, 1-9 dms.	100 lbs.	12.50 -	—

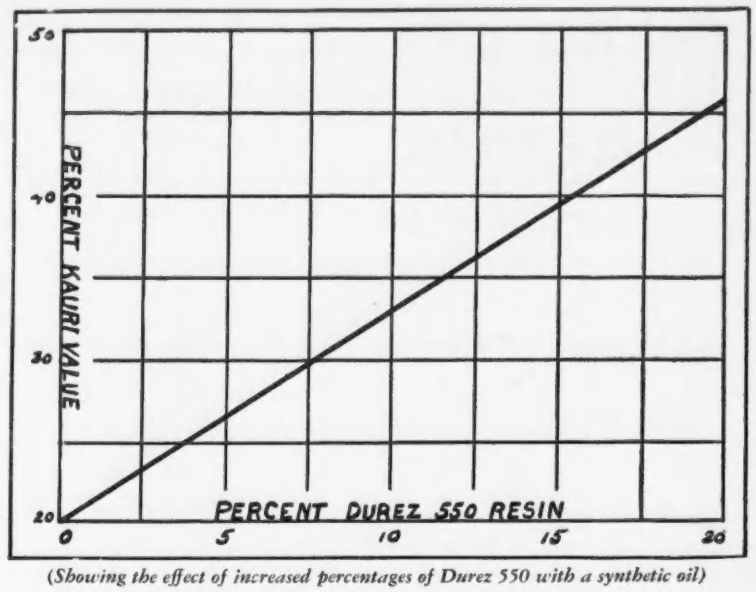
Syntex prices in lots of 10 dms. or more are 50c. per 100 lbs. less than above. These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic states, Va., N.C., S.C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn., Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per lb.

Phenester—Vinylite

V

Vinylite resins, AYAA, AYAF, AYAT, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river.	lb.	.40 -	—
2,000 to 9,999 lbs., cns., same basis.	lb.	.43 -	—
200 to 1,999 lbs., cns., same basis.	lb.	.45 -	—
1 to 199 lbs., cns., same basis.	lb.	.60 -	—
AYAB, cns., 200 to 1,999 lbs., same basis.	lb.	.52	
1 to 199 lbs., same basis.	lb.	.67 -	—
AYAW, cns., 200 to 1,999 lbs., same basis.	lb.	.52 -	
1 to 199 lbs., same basis.	lb.	.67 -	—
QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.	lb.	.48 -	—
10,000 to 29,999 lbs., cns., same basis.	lb.	.50 -	—
2,000 to 9,999 lbs., cns., same basis.	lb.	.52½-	—
200 to 1,999 lbs., cns., same basis.	lb.	.55 -	—
1 to 199 lbs., cns., same basis.	lb.	.65 -	—
VYHF, VYLF, VYNW, VYRR, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.48 -	—
10,000 to 29,999 lbs., cns., same basis.	lb.	.50 -	—
2,000 to 9,999 lbs., cns., same basis.	lb.	.52½-	—
200 to 1,999 lbs., cns., same basis.	lb.	.55 -	—
1 to 199 lbs., cns., same basis.	lb.	.65 -	—
VYHH, c.l. (30,000 lbs.), paper bags., same basis,	lb.	.52 -	—
10,000 to 29,999 lbs., cns., same basis.	lb.	.54 -	—
2,000 to 9,999 lbs., cns., same basis.	lb.	.55½-	—
200 to 1,999 lbs., cns., same basis.	lb.	.57 -	—
1 to 199 lbs., cns., same basis.	lb.	.67 -	—
VYNS, c.l. (30,000 lbs.), paper bags., same basis,	lb.	.68 -	—
10,000 to 29,999 lbs., cns., same basis.	lb.	.70 -	—
2,000 to 9,999 lbs., cns., same basis.	lb.	.72½-	—
200 to 1,999 lbs., cns., same basis.	lb.	.75 -	—
1 to 199 lbs., cns., same basis.	lb.	.80 -	—
XYSG, paper bags, 200 to 1,999 lbs., cns., same basis.	lb.	1.25 -	—
1 to 199 lbs., cns., same basis.	lb.	1.40 -	—
solutions, adhesive, AYAF, dm. lots, same basis.	gal.	2.10 -	—
smaller lots, same basis.	gal.	2.50 -	—
XL5041, 20 dms., same basis,	gal.	2.00 -	—
dm. lots, same basis.	gal.	2.25 -	—
smaller lots, same basis.	gal.	2.50 -	—
XL5075, 20 dms., same basis,	gal.	2.15 -	—
dm. lots, same basis.	gal.	2.40 -	—
smaller lots, same basis.	gal.	2.65 -	—

Adhesive solutions in 1 to 5 gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans, 5-gal. containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.



(Showing the effect of increased percentages of Durez 550 with a synthetic oil)

How to Banish Brittleness When You Use Synthetic Oils

If you're interested in using some of the new synthetic oils but have hesitated because of their characteristic brittleness,* just combine them with a Durez 100% phenolic resin.

Medium length varnishes generally made with a high melting resin like Durez 220 show low kauri value because of the brittleness* of these oils. However, by using 20% of Durez 550, for example, the elasticity is more than doubled. In addition, other film properties such as water and alkali-resistance are increased.

Such improvements may also be achieved through the use of Durez 500, 525 or 570. If you want further information on the use of Durez and synthetic oil, just write—

DUREZ PLASTICS & CHEMICALS, INC.
530 Walck Road, North Tonawanda, N.Y.

**Dehydrated castor oil excepted*

DUREZ PLASTICS & CHEMICALS, INC.
RESINS THAT FIT THE JOB

Trade Briefs

S. S. White Dental Manufacturing Company, Philadelphia, has named C. H. Waterbury sales manager of the mouth specialties division.

Skelly Oil Company's stockholders at October 18 meeting will vote on election of J. D. Powell as a director to succeed late W. T. Atkins.

"Hycar" is the name under which the products of the newly-organized Hydrocarbon & Chemical Rubber Company, Akron, will be marketed.

Dr. C. A. Blair, consultant chemist specializing in leather, furs, and tanning materials last week visited tanneries in the area of Montreal, Canada.

American Cyanamid & Chemical Corporation has purchased seventeen acres of land in Charlotte, N. C., to be used for future expansion purposes.

Thomas H. Risk, for the past five years with the Pure Oil Company, has joined the refinery technology division of Ethyl Gasoline Corporation, this city.

Sun Oil Company, Philadelphia, has redeemed $3,600,000 of its outstanding 2¾ percent serial debentures, all held by the Prudential Insurance Company of America.

Sun glass industry will hold a trade practice conference, under the auspices of the Federal Trade Commission, at the Hotel Pennsylvania, this city, October 18.

Andrew C. Roesch and Eastern Wax Products, Inc., are now operating under the title of Andrew C. Roesch, Inc., Brooklyn. Theodore A. Roesch is president.

Agro Phosphate Company is the firm name under which Walter Greening has obtained a certificate to conduct a commercial fertilizer business in Brawley, Calif.

Michael Halpern has been elected a vice-president of the Texas Corporation, this city.

Transamerican Export, Ltd., Latin-American sales representative of a number of large American manufacturers, has leased office space in the Rockefeller Center.

Crown Cork & Seal Company, Baltimore, has called for payment November 1 at the Chase National Bank, New York, $121,000 of its 4 percent sinking fund bonds, due in 1950.

Animal by-products for use as fertilizers exported from Brazil in the first quarter of 1940 amounted to 2,442 metric tons, equivalent to less than 12 percent of shipments in 1939.

Continental Oil Company, Fort Worth, plans construction of a gasoline and repressuring plant in North Archer County, Tex., at a cost of between $300,000 and $500,000.

Phosphate rock shipments from Nauru and Ocean Island by the British Phosphate Commission during the fiscal year ended June 30, 1940, amounted to 1,234,255 long tons, a gain of 9,708 tons over the previous year.

Citric acid imports into Ecuador in 1939 fell to 3,407 kilograms from 4,117 in 1938. On the other hand incoming shipments of tartaric acid increased in 1939 to 10,370 kilograms from 7,670 in the previous year.

Mexican flyspray importers are showing preference to importing the canned product ready for resale, rather than adding the petroleum base to the concentrates, a procedure followed previous to the expropriation of the foreign oil companies.

Chemical fertilizer will be used in a four-year plan for improvement of the agricultural position. Legislation has been drafted providing for a cheap large-scale supply of fertilizers, notably, phosphates and nitrogen and for the development of soil improvement crops.

GLYPTAL
Alkyd Resins

ALL members of the Federation of Paint and Varnish Production Clubs and members of the National Paint, Varnish and Lacquer Association are cordially invited to visit the General Electric Glyptal Display in Booth 45 at the Paint Industries Show in Washington, D.C.

In connection with the Glyptal Display again this year there will be some valuable prizes which will be won by our luckiest visitors. We sincerely hope you will pay us a visit.

GENERAL ELECTRIC

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

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Vol. 138 October 7, 1940 Number 15

Men and Materials for Defense

Industrial and trade associations quite commendably are pledging their cooperative assistance in the development and attainment of the purposes of national defense. The defense advisory group appears to be endeavoring to construct a plan for the correlation of proffered assistance whereby industry and trade may be ready, as well as willing, for whatever role may be necessary.

Assistance in the national defense program must largely be either in materials or in men, and in largest part it demands a proper correlation of both men and materials. There is, therefore, substantial reason to question the desirability of the somewhat popular idea that men be taken from employment for selective training and replaced in their jobs from the ranks of the unemployed. This may be an excellent scheme in some instances because it must be admitted that some men who are unemployed are better fitted for certain work than are those who have been retained in such jobs.

Therein is an opportunity for industrial and trade associations to serve defense well by providing an impartial appraisal of their respective manpowers for the guidance of their members, as well as of defense authorities. Closely related to this opportunity is that offered by the training-within-industry defense advisers for the best selection and allocation of men to jobs. This choice obviously must embrace military training also, and each industry or trade as a whole is best equipped to advise in that respect.

It is clearly desirable that the best man be selected for each place, at work or in training. It is equally clear that industry and trade can best advise in such selecting. It should be no less clear that they will best serve themselves, as well as the national welfare, if they give impartial and adequate advice in this respect—and in respect also of the proper utilization of materials.

A general census and a census of manufacturing have just been taken. These do not provide adequate information for the needs of defense. This can be provided by industry and trade, and it should be.

Role of the Wholesaler

In the beginning of such things the wholesaler was looked upon as an intermediate warehouse and financing agent between producer and retailer. The wholesaler retains a portion of that original role today, but the growth of transportation and other agencies of communication, together with the development of the idea that waystations are an economic anachronism in these days of speed and streamlines, has obliged him to find new means of serving both producer and retailer.

In all his conventions for many years now the wholesaler has been told what he must do to retain his position in distributive service and what he should do to enhance his value and more or less incidentally the compensatory recognition thereof. He is still hearing these things. For several years, in fact, he has been insistent and persistent in telling them to himself.

This trend and continuation of self-advice have been and are especially characteristic of the wholesale drug trade. And they were much in evidence at last week's convention of the National Wholesale Druggists' Association. There was also evident on that occasion the customary advice of manufacturers and retailers on how the wholesaler could and should make himself more useful, more necessary.

Taking all this advice together one would be forced to the conclusion that the wholesaler, at least in the drug trade, must be a merchandising counselor and helper for the retailer and a sales promotion assistant to the nationally advertising manufacturer. To function effectively in the two roles the wholesaler would need to be a high powered regimenter in his relations with his retailer customers and to have a fair quota of omnipotence in order that he might satisfactorily serve the two or six competitive manufacturers for whom he distributes in practically every line.

The wholesalers' association decided to take serious thought further to promote the vocational and professional training of the retail drug trade, with some emphasis, of course, on the commercial shortcomings of retail functioning. It has hopes that in some such manner it can make better customers out of its retail clientele without regimenting the retailers—or the wholesalers—so narrowly that initiative becomes a ready-made article of trade. Such an undertaking would have a strange appearance to the jobber of two or more generations ago. That is one reason why it must be considered necessary today. It is not, however, an undertaking to be entered upon without adequate anticipation of its narrowing potentialities. Private enterprise must not stifle its own initiative.

—O-P-D—

Ban on Brands

It is a simple little bit of prohibiting that the Federal Trade Commission has done in a cease and desist order made public last week—a little thing that has a peculiarly puzzling significant potentiality. The commission has ordered a respondent "to cease and desist from representing, through . . . the use of different brand or trade names, that he sells more than one grade or quality of soap."

The commission's point in this action may be considered to be that there is nothing in a name—or that a name is everything, depending on the manner in which the basis of its order is regarded. Surely there is in a brand or trade name a value which is distinct from any quality inherent in the article to which it is applied. Consider for a moment what would be the competitive condition in respect of U.S.P. or N.F. drugs if identifying names meant nothing. The same condition exists with respect to industrial chemicals and many other industrial materials, as well as to any number of consumer goods.

Of course, the commission may be supported in its contention that a distinctive name may represent no difference that justifies its use. But, where could a logical or reasonable line be drawn in this respect? It is a simple commercial fact that the same article must be differently named to get the best consumer acceptance in different markets. And it has long been a common commercial practice to charge for the name. An official mandate that the name has no value in itself runs counter to all purposes of commercial integrity, and even the Federal Trade Commission puts its foot down on the use of another's identifying mark or a colorable imitation thereof.

Perhaps the soapmaker was engaged in misrepresentations that harmfully deceived the purchasing public. It may be that, because the commission's order is directed at a variety of practices, the use of different names has not in itself been officially condemned. The order should make this distinction clear if it exists. And the same may be said of the conjoined prohibition of the use of "fictitious names," because business names are quite commonly fictions, and there is nothing wrong about it.

One can conceive good reasons on the part of the commission for its endeavor to get around the misrepresentation that would attend the renaming of a rose. But, the restricting of a manufacturer to one identifying brand for the same article is a step in the direction of commercial regimentation. It is an offense against initiative and ingenuity. It is, in truth an incongruity because it connotes that everything should have but one name and therefore must be sold by every producer at the same price—which is not according to the ideas of the Federal Trade Commission in other directions.

—O-P-D—

Taxmaking in a Rut

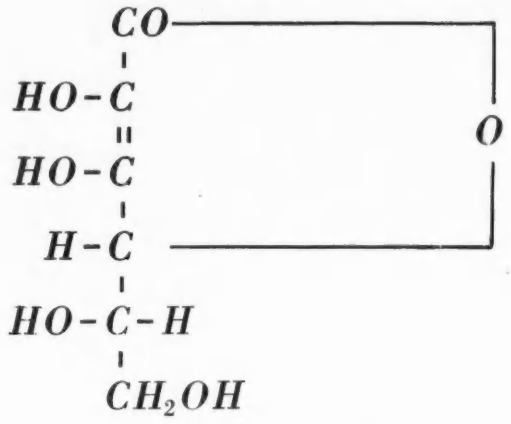
Congress has passed a war profits tax bill which is a fine example of the art—it cannot be called science—of legislating for purposes of raising revenue—to say nothing of precluding profiteering. As a body of supposedly intelligent men with many decades of cumulative experience to guide them, the lawmakers can find no pride in this handiwork.

That is not the reason however why the Senate of the United States is currently supposed to be considering a resolution creating a committee of three of its members for another venture into the examination of Federal taxmaking in bent and method and a purpose of "an automatically balanced budget in times of peace." No; the reason for this undertaking is not shame or dissatisfaction with the recently completed tax law. That reason is nothing except a purpose to demonstrate at a cost of $15,000 that all the unsatisfactory ways of doing an important job have not yet been tried.

D E P E N D A B L E !

The manufacture of Pfizer Ascorbic Acid results from independent research, combined with engineering skill and operating efficiency. Our proven process and ample supply of raw materials insure uninterrupted production . . .

ASCORBIC ACID



Molecular Weight—176.06

Ascorbic Acid (1-Ascorbic Acid) is recognized as being Vitamin C. The U.S.P. and International Units of Vitamin C are defined as 0.05 mg. of ascorbic acid; 1 gram of ascorbic acid is therefore equal to 20,000 U.S.P. or International Units.

Manufacturing Chemists

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Est. 1849

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Heavy Chemicals

Demand More Conservative But Outlook Continues Promising —Saltpeter and Caucasion Manganese Dioxide Prices Higher —Potash Chlorate and Cobalt Oxide Offerings Limited

A more conservative demand was evident in the market for heavy chemicals last week. Month-end influences prompted some consumers to order cautiously. Volume for the month was regarded as quite satisfactory in view of the brisk buying in the earlier part of the month. Advance bookings and inquiries indicated that October and the remainder of the year would sustain business at comparatively good levels. A trucking strike in New Jersey did not have much effect here, where negotiations between teamsters and employer associations were still in progress.

Effective October 1, prices for various grades of saltpeter were uniformly higher. The advance was attributed entirely to the additional raw material costs. As announced previously, quotations for Caucasian manganese dioxide were raised. No change was disclosed in the African material. Aside from the above changes, fourth quarter contract prices for other chemicals remain unchanged. Many sellers were engaged in booking contracts for next year. While it was too early to officially release prices some clarification was anticipated within the near future.

Potash chlorate remained in a tight position. Domestic production, which has been stepped up, was not entirely adequate to take care of all inquiries. Offerings were usually limited to regular consumers for normal needs. Material was difficult to obtain in the spot market or for export. Red phosphorus was in a similar position. Supplies of cobalt oxide were limited. Shipments from Belgium have declined considerably since the war and stocks were gradually being depleted. Efforts are still underway to produce material domestically, but so far nothing tangible has been accomplished. Soda silicofluoride continued in a strong position. The absence of any imports of consequence placed more pressure on domestic material.

Alums.—Buying steady. Prices unaltered and firm.

Alumina Hydrate.—Business moderate, and quotations firm.

Alumina Sulphate.—Domestic and export business good. Prices unchanged.

Ammonia, Anhydrous.—Buying proceeded along normal seasonal lines. Quotations firm.

Ammonia, Aqua.—Market position firm, and business steady. Prices without change.

Ammonia Bicarbonate. — Routine buying. Prices lacked change.

Ammonia Bifluoride. — Small lots made up the call. Prices without change.

Ammonia Carbonate.—Demand fair. Prices unchanged and firm.

Ammonia Fluoride.—Business conservative. No change in the quotations.

Ammonia Molybdate. — Commitments narrow. Prices rule firm.

Ammonia Nitrate.—Interest steady. Prices firm.

Ammonia Perchlorate. — Prices nominal, and business restricted to regular channels.

Ammonia Persulphate. — Market firm, and transactions lacked broadening.

Ammonia Phosphate. — Dealings routine. No change in the prices.

Ammonia Oxalate.—Prices firm, and withdrawals modest.

Ammonia Silicofluoride. — Demand fair. Prices without change.

Ammonia Sulphide.—Buying moderate. Prices steady to firm.

Ammonia Sulphocyanide.—Moderate inquiry. Prices well maintained.

Ammoniac, Sal.—Shipments steady. Market position firm, and prices unchanged. August imports 23,265 pounds, valued at $1,972, all from United Kingdom.

Antimony.—Domestic spot metal unchanged. Business spotty.

Antimony Needle.—Market position tight, and prices firm.

Antimony Oxide. — Fair demand. Prices without change.

Arsenic. — Transactions routine. Prices firm. August imports of white 1,061,732, valued at $24,876, of which 925,288 pounds came from Mexico.

Barium Carbonate.—No new price developments. Demand moderate.

Barium Chlorate.—Market firm, and buying routine.

Barium Chloride. — Withdrawals fairly steady. Prices lacked change.

Barium Dioxide. — Shipments irregular. Quotations remain the same.

Barium Hydrate.—Interest steady. Prices steady to firm.

Barium Nitrate.—Firm price tone, with moderate demand.

Bleaching Powder. — Shipments moved against contracts moderately. Prices held firm.

Calcium Acetate.—Market routine. Prices without change and firm.

Calcium Carbide.—Business fair. No change in the quotations.

Calcium Chloride.—Some seasonal lag reported. Prices remain the same.

Calcium Phosphate.—Buying conservative. Quotations unaltered.

Carbon Bisulphate. — Shipments steady against contracts. Prices unchanged.

Carbon Dioxide.—Prices firm. Buying moderate.

Carbon Tetrachloride. — Commitments moderately active. Prices without change.

Price Changes

Advanced

Manganese dioxide, Caucasian, $7.50 per ton.
Saltpeter, 50c. per 100 pounds.
Tin, Straits, ¾c. per lb.
tetrachloride, anhy., ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.7	**154.1**	**151.4**	**149.3**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

Chlorine.—Market fully retained its firm position. Shipments steady.

Cobalt Oxide.—Supplies limited and offerings restricted to regular consumers. August imports 21,000 pounds, valued at $28,529, all of which came from Belgium.

Copper.—Demand held fairly steady, but not as active as previous week. Producers and smelters retained the 12c. per pound price. Some business passed in the export market at 9.90c. per pound, f.a.s.

Copper Salts.—Prices firm and unchanged. Buying moderately active.

Copper Sulphate.—Quotations well sustained. Commercial demand and export business good.

Copperas.—Market position firm. Shipments limited to regular trade.

Ethyl Chloride.—Business moderate. Prices firm.

Feldspar.—Fair interest. Prices lacked any change.

Fluorspar.—Market remains competitive and shipments were steady.

Glauber's Salt.—Steady to firm price tone with buying irregular.

Lead Acetate.—Transactions routine. Firm price tone.

Lead Nitrate.—Fair inquiry. Prices failed to change.

Lime.—Prices without change. Business steady.

Magnesite.—Market position tight. Prices firm and unchanged.

Manganese Dioxide.—Effective October 1. Prices advanced $7.50 for Caucasion, making barrels, car lots, works, $74; less than 5 tons, $77, and small lots, $82. Usual differentials prevail for bags.

Molybdenum Metal Powder.—Steady inquiry. Prices rule firm.

Nickel Salts.—Shipments moved at moderate pace. Prices without change.

Phosphorus.—Supplies of red limited; fair demand for yellow. Prices firm.

Potash Carbonate.—Prices continued unchanged and firm. Shipments steady.

Potash, Caustic.—Buying moderate against contracts. Prices firm.

Potash Chlorate.—Offerings limited to regular consumers for normal requirements. Prices firm.

Potash Metabisulphite. — Business conservative. Prices lacked any change.

Potash Perchlorate.—Market firm and business restricted to usual consumers.

Potash Permanganate.—Market remained firm, and buying steady.

Salt.—Moderate demand. Pricewise a firm tone prevailed.

Saltcake.—Quotations nominal, and shipments steady. August imports 13,698 tons, valued at $229,663.

Saltpeter.—Prices 50c. per 100 pounds higher. Granulated, barrels, less than ton than $8 per 100 pounds; powdered, $9 and crystals ranged from $9 to $10 per 100 pounds. One to nine tons, 25c. less and ten-ton lots 40c. per 100 pounds lower.

Soda Acetate.—Steady to firm price tone. Business routine.

Soda Ash.—Withdrawals moderately active. Prices unchanged.

Soda Bicarbonate.—Steady demand. prices rule firm.

Soda Bifluoride.—Demand narrow. Prices continued the same.

Soda Bisulphite.—Business moderate. Quotations steady to firm.

Soda, Caustic.—Shipments moved against contracts steadily for moderate quantities. Prices unaltered.

Soda Chlorate. — Market position firm, and shipments limited to regular accounts. August imports 44,800 pounds, valued $3,360, all from Canada.

Soda Cyanide. — Demand good. Prices unchanged and firm. August imports 3,607,217 pounds, valued at $145,229, all from Canada.

Soda Fluoride.—Buying only fair. No change disclosed in the prices.

Soda Hydrosulphite. — Transactions routine. Prices remain firm.

Soda Hyposulphite.—No new price developments. Moderate demand.

Soda Metasilicate.—Quotations firm, and buying fairly steady.

Soda Nitrite. — Steady interest. Prices continued firm.

Soda Oxalate.—Market a routine affair. Prices unchanged and firm.

Soda Phosphate.—Dealings moderately active. No change in the prices.

Soda Pyrophosphate.—Usual consumers made fair size replacements to keep market in favorable position.

—*Continued on page* 30

Chemists' Photo Exhibit In Chicago, Dec. 11-15

The annual chemists' Salon of photography will be held this year during the National Chemical Exposition at the Hotel Stevens, Chicago, December 11-15, Chemist photographers are invited to submit prints for judging. Accepted prints will be hung at the Stevens and exposition visitors will be invited to inspect the salon. Entry blanks may be obtained by addressing The Salon Committee, Chicago Chemists Club, 413 Hotel Stevens, Chicago, Ill. Entries close November 30, 1940.

Chemical Salesmen to Vote On Membership Amendment

The annual meeting and dinner of the Salesmen's Association of the American Chemical Industry will be held in the Chemists' Club, this city, October 10, at 6:15 p.m. The election of a nominating committee will be held and a vote will be taken on amending the constitution of the association, which amendment is concerned with widening the scope of qualifications for membership in the association.

Trade Briefs

Harold Kingsmill, vice-president of the Cerro de Pasco Copper Corporation, has been elected a director of the American Metals Company, Ltd.

Continental Can Company is planning the erection of a manufacturing building at 3500 East Biddle street, Baltimore, at an estimated cost of $125,000.

"Texglue" is the name of a new cement, with a latex or rubber base, being marketed by the B. F. Goodrich Company, Akron. The product is said to afford adhesive properties and resistance to aging.

Ralph L. Dickey, formerly with U. S. Gypsum Company, has been elected president and general manager of Kelly Island Lime & Transport Company, to succeed George J. Whelan, who has been named board chairman.

Edward G. Egan, manager of chemical sales for Charles Hardy & Co., importer and manufacturers' agent, this city, will be married to Miss O. Gennette Smith October 19. The wedding will take place in Winchester, Mass. They will reside in Kew Gardens, L. I.

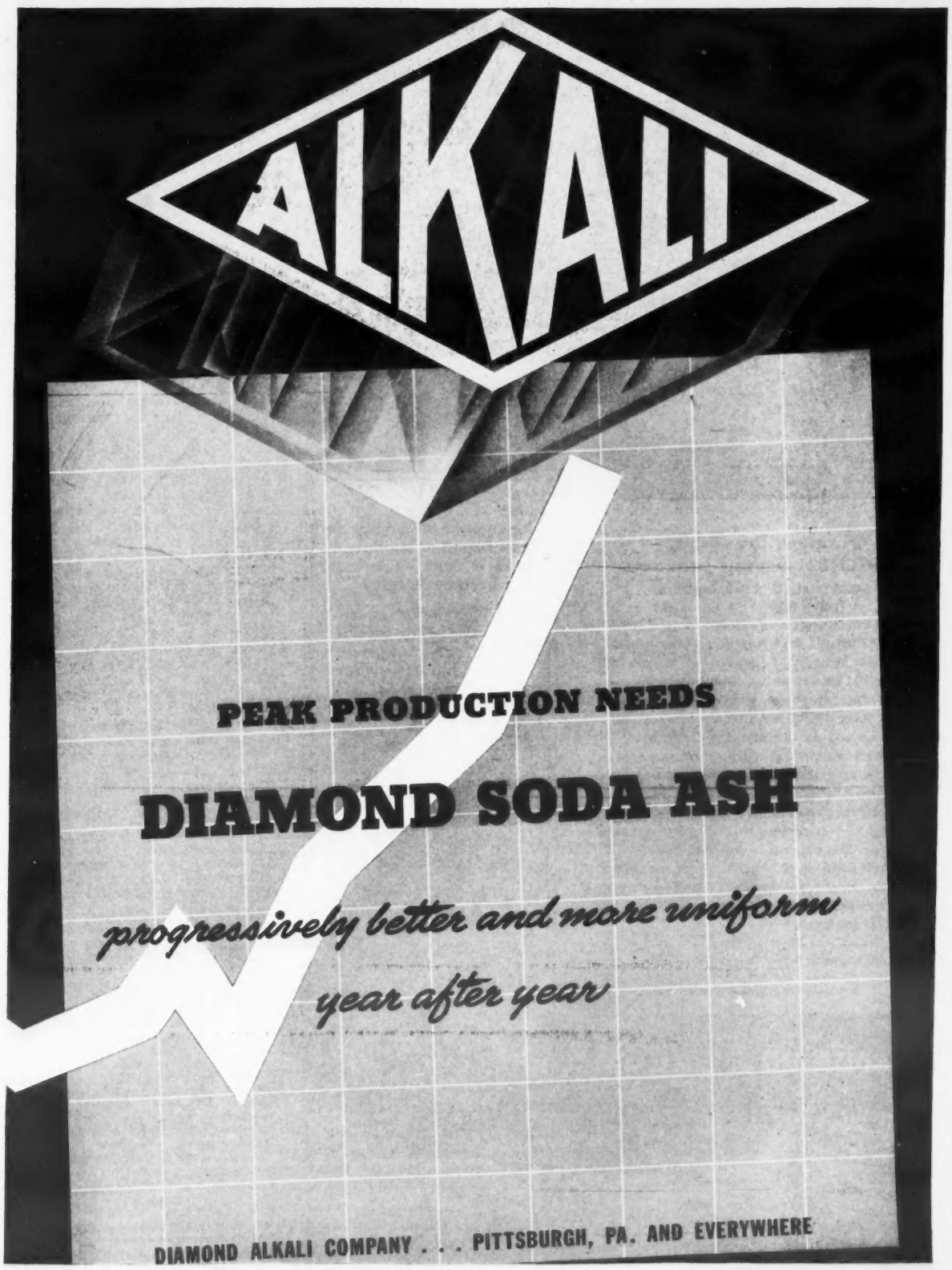
Kennecott Copper Corporation, this city, stockholders will vote November 6 on a retirement plan for employees receiving more than $3,000 a year.

Industrial Container Company is the firm name under which Meyer Brownstein has obtained a certificate to conduct business at 10857 Drury Lane, Lynwood, Calif.

"Duraglas," alleged to be a stronger and more durable container made possible by a new glass-making technique, is being produced by the Owens-Illinois Glass Company.

Albert F. Guiteras, who received his B.S. degree from Lafayette College and Ph.D. from Goettingen University, will join the staff of Foster D. Snell, Inc., Brooklyn, October 1. He has previously been with the Department of Health of the City of New York and the United States Food and Drug Administration.

Potash production from leucite reported in Italy has been undertaken by the Societa Italiana Potassa, Bagnoli. The plant, which has a capacity of five tons daily of leucite concentrates, is to be considerably extended with the financial assistance of the Instituto per la Riconstruzione Industriale.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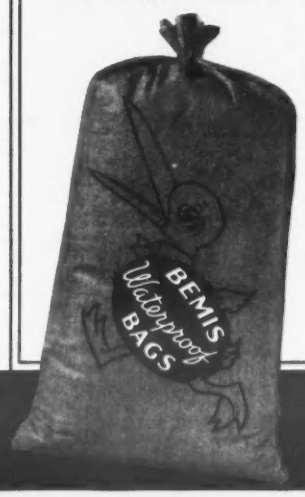

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Heavy Chemicals

—Continued from page 29

Soda Silicate.—Steady inquiry, and shipments moderate. Prices without change.

Soda Silicofluoride.—Shipments restricted to regular consumers for normal needs. Little offered in spot market and for export. Prices firm.

Soda Stannate.—Prices firm and unchanged. Business steady.

Soda Sulphide.—Steady demand. Prices unchanged and firm.

Soda Sulphite.—Consumers made steady replacements. Prices unchanged.

Strontium Salts.—Buying fair. No new price developments occurred.

Sulphur, Refined. — Moderate demand. Quotations remain firm.

Tin Salts.—Anhydrous tetrachloride of tin advanced ¼c. to 25c. per pound. Prices for other tin derivatives were firm, but lacked any change. Straits metal was quoted at 51⅜c. per pound. World tin production in August was 19,100 tons, compared with 19,900 tons in the previous month, bringing total production for first eight months to 144,600 tons, compared with 87,300 tons in same period a year ago, according to International Tin Research and Development Council.

Uranium Oxide.—Market firm, and demand moderate. August imports 8,400 pounds, valued at $11,004, all from Canada.

Zinc Acetate. — Business narrow. Prices rule unchanged.

Zinc Carbonate.—Routine interest. No change in the quotations.

Zinc Chloride.—Moderate demand against contracts. Prices rule firm.

Zinc Sulphate. — Steady inquiry. Pricewise a firm tone prevailed.

Acids

Shipments in the market for mineral acids were moderately active. Several materials experienced a good demand to keep their position firm. Formic was well taken and sellers were well booked ahead for export. Muriatic received steady attention, while the position of nitric continued strong. Oxalic was restricted to regular consuming channels. Shipments of sulphuric were steady against contracts. Prices failed to fluctuate in either direction, but the tone was firm.

Abietic.—Fair interest. Prices unchanged.

Acetic.—Shipments moderate. Prices steady to firm.

Battery.—Business continued routine. Prices rule firm.

Butyric.—Buying moderately active. No change in the prices.

Chlorosulphonic. — Business steady. Pricewise a firm tone prevailed.

Chromic. — Prices firm and unchanged. Shipments steady.

Formic.—Market position strong and prices firm. Business good.

Gallic. — Dealings conservative. Prices firm.

Hydrofluoric.—Steady to firm price tone, with shipments fair.

Lactic. — Withdrawals irregular. Nothing new occurred in the prices.

Muriatic. — Buying steady. Prices firm and unchanged.

Naphthenic.—Prices nominal. Steady inquiry.

Nitric.—Market position strong and prices firm. Demand good.

Oxalic.—Business restricted to regular channels. Prices firm.

Phosphoric. — Fair demand. No change in the quotations.

Sulphuric.—Shipments moved at a steady pace against contracts. Prices were the same, and tone of market was one of firmness.

Baltimore, October 2.—The uneventfulness in the market for sulphuric acid so far as it concerns new business continues, and the producers are occupied mainly with the deliveries on orders placed at the end of last year. These deliveries are being made at the then stipulated prices. At the present capacity the producers have no surplus of acid to dispose of, and some are even buying from other sources to cover commitments at figures attractive to those manufacturers who have acid to spare. The nominal figures stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid, but the trade at this level is limited to contracts. What the market will be when the new contracts are to be entered into is conjectural. The nominal price of oleum holds at $17 per ton for 20 percent supplies, but this branch of the business has not increased because the agricultural interests are anything but rushed.

Insecticides

Market fully reflected seasonal conditions, and business was dull last week. A fair amount of export inquiries were reported. No price developments were disclosed, and quotations were maintained at firm levels.

Although agricultural insecticides and fungicides are manufactured in New Zealand, imports of lead arsenate and other materials are imported in sizable quantities. United States is shown as a supplier of approximately one-half of the imports with the remainder credited to the United Kingdom and Australia. Since December, 1938, the importations into New Zealand of all products has been subject to licensing system designed to restrict imports and conserve foreign exchange, according to the American consulate at Wellington.

Bordeaux Mixture.—Market quiet, and prices unchanged.

Calcium Arsenate.—Business dull. Prices lacked any change.

Lead Arsenate.—Seasonal conditions slowed up trading. Prices rule unchanged.

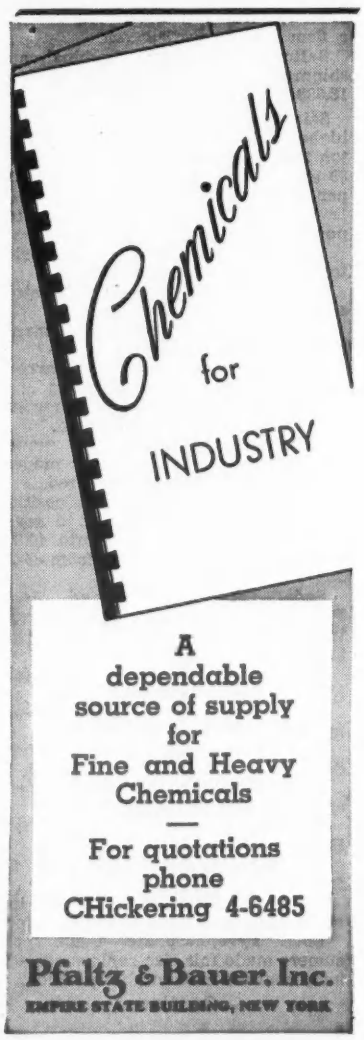
Zinc Arsenite.—No new price developments, with buying without feature.

Formic Acid Derivatives Possible Uses Described

The Recorder Chemical Company is distributing a booklet dealing with the properties, future uses and technical possibilities of a group of formic acid derivatives. Included is a description of crystalline potash biformate, potash formate, and the amyl, benzyl, butyl, cinnamyl, ethyl, geranyl, iso-butyl, linalyl methyl and propyl esters of formic acid. Research and manufacturing work of the Recorder Chemical Company is under the direction of Dr. Henry Berlin, a Chicago consulting chemist. Copies of the booklet may be obtained from the company's offices on 139 N. Clark street, Chicago, by mentioning the REPORTER.

Haeseler With Herstein, Inc.

Kurt W. Haeseler has become associated with Herstein Laboratories, Inc., this city. Dr. Haeseler will continue the general consulting practice which he has carried on for more than ten years in this city.



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N.P.V.L.A. Convention To Hear Jesse Jones

—*Continued from page* 5

October 29 by committee and other preliminary meetings, are as follows:—

Tuesday, October 29

11:00 a.m.—Budget and finance committee.
12:00 noon—Roof coating division.
12:30 p.m.—Executive committee.
6:30 p.m.—National advisory meeting.

Wednesday, October 30

9:30 a.m.—Joint business session of National Paint, Varnish and Lacquer Association, and the Federation of Paint and Varnish Production Clubs. Details as to subjects and speakers to be announced later.

2:00 p.m.—Opening business session. National Paint, Varnish and Lacquer Association. Norris B. Gregg Memorial Building, new association headquarters.
Preliminary report of by-laws committee—H. M. Howard, chairman.
Report of treasurer—S. R. Matlack.
Preliminary report of nominating committee—E. V. Peters, chairman.

3:00 p.m.—Norris B. Gregg memorial dedication.

Thursday, October 31

9:30 a.m.—Trade sales conference. Address, B. J. Cassady, chairman, 'Radio Paint Broadcasts,' and 'Styling With Paint'; discussions.

General Convention Session

Address, Mr. Trigg

2:00 p.m.—National Emergency Conference.
"Economic Consequences of National Defense," Edwin B. George, Dun & Bradstreet.
"China and Tung Oil," S. D. Ren, executive vice-president, Universal Trading Corporation.
"Agriculture and our Industry," Wheeler McMillen, president of the National Farm Chemurgic Council.
"A Discussion on Taxes" (Speaker to be announced).
"The Changing World," James A. Emery, general counsel for National Association of Manufacturers.

Friday, November 1

9:30 a.m.—Industrial Sales Conference.
Address, Paul S. Kennedy, chairman.
"Unfair Competition and the Cincinnati Agreement," H. F. Schaefer.
"Contributing Causes Which Add to the Cost of Doing Business," Charles H. Reed.
"The Value of Association Work to Members of the Industrial Division," Norman W. Kelley.
"Producing Industrial Finishes Is a Technical Business," Leo Roon.
"Competitive Bidding," Fred A. Brown.
"Small Nuisance Orders" (Speaker to be announced).

Final Business Session

2:00 p.m.—Final report of by-laws committee.
"In Memoriam," R. F. Adams, chairman.
Consideration of committee reports and resolutions.
"The National Defense Program" (Speaker to be announced).
Final report of nominating committee.
Election and installation of officers and members of the executive committee.

The feature of the entertainment at the convention will be a "Hallowe'en Nite on the Farm," a party which is scheduled to be held October 30. The entertainment committee requests that those attending the convention bring a farmer's costume with them to wear on the occasion of the party.

Chicago Paint Club Hires Special Train to Convention

The Chicago Paint, Varnish and Lacquer Association has chartered a special train to carry members and guests to the convention of the national association in Washington October 30 to November 1. The train will leave Chicago October 27. Members of the national association living North, West or South of Chicago are invited to join the special train by making reservations wih E. A. Leveille, Transportation building, Chicago.

N.Y. Production Club Meeting October 10

The technical papers, entitled "Quantitative Adhesion Measurement of Coatings Before and After Exposure" and "Methods for Producing Uniform Films," prepared by the New York Paint & Varnish Production Club for presentation at the Federation convention, will be reviewed at the club's monthly meeting October 10 at the Building Trade Employers Association, this city.

Guest speaker at the dinner will be Roy Troutman, of Krebs Pigment & Chemical Corporation, Wilmington, Del., who will read a paper on "Exterior House Paints." "Evaluation of Grinding Mills," a study made by a subcommittee of the club, also will be presented.

Plastic, Coldwater Paint Calcimine Sales Mixed

Sales of plastic and cold-water paints and calcimines reported by sixty manufacturers to the Bureau of Census for August, 1940, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste	167,650	$19,386
Dry, casein bound	312,377	21,764
glue bound	147,724	7,378
Totals	627,751	$48,528

Cold-Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	1,119,853	$71,915
casein bound	324,437	17,827
Interior, casein - bound, paste or semi-paste form	292,467*	294,762
dry-powder form	1,118,012	84,331
glue-bound	326,937	8,820
Totals	.....	$477,655

* Gallons.

Calcimines

	Pounds.	Value.
Hot water	2,368,085	$90,398
Cold water	2,492,943	111,978
Totals	4,861,028	$202,376

Sales of these products for August compared with the corresponding period of 1939 were as follows:—

		1940.	1939.
Plastic paints	lbs.	627,751	587,673
	value.	$48,528	$45,543
Cold-water paints	value.	$477,655	$441,338
Calcimines	lbs.	4,861,028	6,076,325
	value.	$202,376	$254,625

American Cyanamid Materials Figure in Plastics Awards

Beetle resin and molding materials produced by the American Cyanamid Company were employed in making four prize winning entries in the fifth annual Modern Plastics Competition. Awards to Beetle products included first prizes in three divisions—Decorators' Accessories, Communications, and Novelties and Miscellaneous—and honorable mention in the Business and Office Equipment group.

Plasdecor, a new type of laminated Beetle plastic designed and developed by Alice Donaldson, received the top award in Decorators' Accessories. "Topper," a smart new radio, won a first award for the Kadette Radio Corporation in the communications group. The new deluxe "Colonel" razor, brought first prize to Schick Dry Shaver, Inc., in the novelties and miscellaneous group. Honorable mention in the business and office equipment group went to the Zephyr American Corporation for three pieces: telephone index, Rollodex, and Thermodex.

Washington Paint Club Re-Elects Officers

OPD Washington Bureau
September 30, 1940

The Washington Paint Club held its first Fall meeting September 26 at the National Paint, Varnish and Lacquer Association headquarters here. Among the subjects discussed was a report on unethical advertising and how, after October 24, the wage-hour law will affect truck deliveries. Owing to the fact that the club was reorganized last April, all the old officers were re-elected as follows:—President, John W. Hardell, of the Hugh Reilly Company; vice-president, W. R. Winslow, of the W. R. Winslow Company; treasurer, A. Lee Amoss, of the Pittsburgh Plate Glass Company, and secretary, Edward R. Drake, of the National Paint, Varnish & Lacquer Association.

Copper, Lead, Zinc Price Boosts Assailed

—*Continued from page* 5

to be increasing, but these factors may not be getting adequate consideration. Therefore the present situation and near-term developments in these industries are being given careful attention by the Price Stabilization Division.

Mr. Henderson stated that he would be reluctant to recommend controls over these metals, but pointed out that their production and use are vital to the national defense program and their price relationship is an important factor in the general stability of prices. He felt that it might be advisable to have a conference of representatives of producers and large consumers to discuss the situation openly, and if the apparently artificial price-supply-demand pressure continues he is prepared to make adequate suggestions to the President as to what might be done under existing law to correct the situation.

F. J. Penberthy Retires

Frank J. Penberthy, identified with the paint industry for fifty years, has retired as president of Lowe Brothers Company, Ltd., Toronto. He has been president since 1929, and for nine years previous he served as vice-president. Mr. Penberthy joined the Lowe organization in Dayton in 1912 as assistant sales manager, going to Canada later in the same year.

Mr. Penberthy started his business career at sixteen years of age with the Detroit Lead Works, becoming sales manager in 1910. A former president of the Paint, Oil and Varnish Club of Toronto, Mr. Penberthy served for a number of years on the executive board of the Canadian Paint, Oil and Vanish Manufacturers Association.

Federal Chemical Company, Louisville, Ky., has named R. M. Acree in charge of sales of the Meridian, Miss., territory.

On a recent inspection of the Chicago properties of the Continental Can Company, E. J. O'Connor, manager of general line sales pointed out new developments to Gladden Searle (holding can), vice-president in charge of sales, and M. S. Sloan, director. They are part of the group of officials and directors who are visiting company's plants throughout the country to gather information on which the future expansion will be based.

Paint Industry Wage Minimums Suggested

—*Continued from page* 5

declared that the study shows a significant concentration of employees in the 55-cent bracket and asked that the minimum be set at this figure, adding that this is the lowest hourly wage provided in contracts which A. F. of L. unions have with various paint manufacturers.

E. D. Gregory and J. J. Scott, of the American Pigment Corporation, Hiwassee, Va., asked that a wage differential be made for producers of natural earth pigments in the South, though they added that to their knowledge the government has never purchased such products directly in amounts approaching the $10,000 limit.

The Public Contracts Board proposes to define the industry as follows:—

The paint and varnish industry includes the manufacture of pigments or colors, either in dry or paste form; paints mixed ready for use, or in dry or paste form; varnishes; lacquers; enamels; fillers; putty; top dressings; paint and varnish removers; furniture and floor wax, and lacquer thinners.

In a supplemental statement it explained that this definition is understood to include the manufacture of such products as:

Calcimine and water paints, artists' colors, liquid plastic roof coatings, and similar products; waterproofing; dampproofing, and caulking compounds, liquid and plastic roof coating compounds; acetate, nitrate, and similar dopes of all kinds, liquid or paste driers, enamels of all kinds, manufactured synthetic gums such as phenolics, alkyds, and ester gums; lacquers of all types, paints (liquid or paste) such as: antifouling, fillers, finishes used on industrial production, fireproof, flat, gloss, house, stains; pigments (dry or oil) such as: opaque: antimony white, lithopone, titanium, while lead, zinc sulphide; inert: aluminum silicate, asbestine, barytes, blanc fixe, calcium sulphate, china clay, magnesium silicate, talc, whiting; colors: yellow, orange, red, blue, green, toners; putty, paint and varnish remover, lacquer thinners, and other manufactured thinners, top dressings, spirit or oil varnish, including shellac varnish; furniture and floor wax.

A letter received from the Manufacturing Chemists Association objected to the inclusion in the paint industry of dope, driers, synthetic gums, and thinners, on the ground that they are not ordinarily produced by paint manufacturers but in plants proposed to be covered by the pending minimum wage determination for the chemical industry.

Paint Merchandising Course to Be Offered

A sixteen-lecture course in "Modern Paint Practice and Merchandising," sponsored by the New England Paint and Varnish Production Club, in cooperation with the Paint and Oil Club of New England, the Society of Paint and Decorating Contractors and the New England Paint Salesmen's Club, will be offered by the division of university extension of the Massachusetts Department of Education, starting October 21 at the Franklin Union, Boston.

Louisville Production Club Hears Paul on Color Aspects

The Louisville Paint, Varnish and Lacquer Production Club September meeting was addressed by M. Rea Paul, technical paint and color service, of the National Lead Company. He spoke on the "Modern Aspect of Color," giving consideration to the ten aspects of color. Methods of color specification were illustrated, particularly a precise method with which is needed a color tolerance, he said.

Factors affecting color, Mr. Paul said, are stirring the paint, absorption by the surface, character of the surface painted, area occupied in comparison with color chip, colors in the vicinity, multiple reflection and character of illumination. Recent work on the psychology of color was reviewed, as was also the importance of codes. In conclusion, the use of color as a selling tool was illustrated with lantern slides.

Wilson & Co., meat packer, Chicago, elected to its directorate E. H. Rawls, filling a vacancy caused by the death of E. A. Potter.

Use of Soybean Oil In Paints and Varnishes

By Gurdon H. Hamilton
Nubian Paint & Varnish Company

Paper presented at Mid-American Chemurgic Conference September 17, 1940

The Glidden Company has done a great deal of pioneering work in regard to the soybean and now has one of the largest soybean plants in the country. This plant has a 2,000,000 bushel elevator and handles 5,000,000 to 6,000,000 bushels of beans annually.

Many varied products are made from the beans, but I will confine my remarks to the oil, and in this field the Glidden Company is a very large user. It consumes 4,000,000 to 5,000,000 gallons of oil per year, but this is not all used in paints.

Before discussing the possible uses of soybean oil in paint or varnish, I think it would be well for us to consider first the various desirable qualities of any oils which might be used in these fields. Inasmuch as this is not primarily a meeting of paint and varnish manufacturers, I will explain briefly the functions of an oil in a varnish or paint.

Varnishes are composed principally of a resin, an oil or combination of oils, a solvent, and various metallic driers. The function of the resin is to impart hardness to the film, the oil gives the elasticity, the solvent is present simply to reduce the whole mass to a brushable or workable consistency, and, of course, the driers help the oil to oxidize or dry.

In practically all cases the oil is bodied. This is accomplished by heating in a kettle at temperatures ranging between 400 and 625°F. for varying lengths of time. This body is desirable to prevent the varnish from flowing out in a very thin film or sagging.

Paint consists of an oil, combination of oils, perhaps a varnish or a combination of varnish and oils with pigments, and probably some drier.

As to the desirable qualities of oils for paints and varnishes: These are rapid drying, weather and water resistance, good color and color retention, the ability to become heavy in body when cooked in a varnish, low cost, neutrality to pigments, clarity, abundance of supply, and public appeal.

Qualities Reviewed

How does soybean oil stand in regard to these qualities? It is fairly slow in drying, not the best for weather and water resistance. It does have good color and will retain its color very well when exposed to heat and light. Soybean oil is not a very good oil for varnish purposes because it bodies very slowly. This, of course, increases the cost of varnish and the prolonged cooking time darkens the color of the oil. Ordinarily soybean oil is fairly cheap; it is neutral to pigments, is clear, and there is an abundant supply. In farming communities where soybeans are raised, there is an especial desire to use an oil produced from a local product.

Soybean oil is one of a great many oils that are available to the paint manufacturer and its use will be determined by the way its desirable qualities fit into the paint field.

In order to visualize the exact position of this oil and the various possibilities, we will consider the different forms in which it can be used. I believe four classifications will cover this.

1. The raw oil as it comes from the expeller or extraction tower. Under this caption we will include neutralized, refined, and refrigerated oils.
2. A chemical combination of soybean oil with other materials.
3. The use of the various constituent parts of soybean oil which have been chemically and mechanically separated.
4. Changing the oil chemically so that new products are formed.

Raw Oil Most Important

So far the greatest amount of soybean oil in paint has been used under the first heading, which is without any chemical change. In this division, by far the greatest volume has been used in house, barn, and similar paints. A great amount of work has been done and many claims have been made. I believe some tests have indicated that soybean oil was more durable than linseed, while others have reversed this finding. In the former case I do not know what the drying conditions were or anything about the time. On the whole, however, we do know that soybean oil will not dry as rapidly as linseed. We do know that it is usually cheaper than linseed. These are the two main factors operating for and against its use in ordinary paints.

When a paint manufacturer sells paint, his product must be satisfactory under all conditions. Possibly he can make a paint out of straight soybean oil that will be very satisfactory under ideal conditions. But, will it do as well in humid, cold, or rainy weather, and how will it resist mildew? Personally, I am not sold on the idea that soybean oil is the best thing to use alone in paints. I believe it has its place and may be used with satisfaction if combined with other oils.

Favored for Baked Finishes

In most cases soybean oil is not very desirable for varnish making because of its poor drying qualities and because it bodies so slowly in the kettle. However, in some cases its ability to retain its color makes it desirable in some baking varnishes. It is also desirable in certain black baking japans and high-baked special finishes, because it will not become brittle as soon as the better drying oils will.

Under the second classification we are to consider the oil used in chemical combination with other materials. Up to the present time the greatest such use has been in alkyd varnishes.

These varnishes are made in general by combining the oil or the oil acids with glycerin and phthalic anhydride. If the cooking procedure, such as temperature, time, rate of cook, and loss, can be accurately controlled, this type of varnish is readily adaptable to large scale, automatic manufacturing procedure.

In the familiar types of regular oil varnishes, natural resins are cooked with various oils and usually the cooking is done in small kettles of perhaps 200-gallon capacity. These types are not especially adaptable to volume production in large kettles. This is because there is no definite and exact chemical reaction occurring, and the proper cooking time is determined mainly by the experience of the operator.

In the manufacture of alkyds large capacity equipment is desirable. The reaction is carried out in an atmosphere of inert gas with thermostatically controlled heat. The inert gas prevents oxidation of the oils, with consequent improved color in the varnish, and also forms a fire protective blanket. Naturally, the large volume also will reduce the manufacturing cost per unit.

Alkyd Combinations Increasing

Soybean oil is not the only kind of oil used in this type of varnish, but it can be used here to good advantage because of its usual low cost, and in some cases it is more desirable than other more expensive oils because it does retain its good color so well. Varnishes of this sort are now used mainly in baking enamels for finishing metal objects. There is, however, a growing tendency for paint manufacturers to use these alkyds to fortify oils in air drying paints. This use for soybean oil has been increasing tremendously during the last several years, and is still going up strongly.

The third heading contemplates using the constituent parts of soybean oil which might be chemically and mechanically separated. It is possible to split soybean oil into different fractions, and we know how to do this, but the differential in price between soybean and linseed oil, or whatever the fraction is to be used for, must be sufficient to pay for the splitting and leave some profit for the processor. If this procedure is followed, we would pick out some good drying fractions, some slow drying fractions, and portions that might be used for edible purposes, others for soap stock, and finish up with vegetable pitch.

Dehydrogenation Remote

The fourth classification considers the formation of new products from the oil. So far the only practical method is chlorination and dechlorination. Briefly this process consists of treating the oil with chlorine and then removal of the chlorine, as hydrochloric acid, by treating with caustic soda. This also removes hydrogen, producing a more unsaturated oil which will dry better than the natural oil. The method is too expensive for practical purposes, and probably will not be used commercially.

To sum up, there will probably be no tremendous increase in the use of soybean oil in the natural state. The use of soybean oil in chemical compounds with other materials is increasing and in all probability will continue to do so. We will have a greater use for the oil in this manner as time goes on and we learn more about it. If the cost of soybean oil remains low enough there will be a development in splitting the oil, but the greatest field for future development is in all probability through forming new products out of the old. This development will be slow and will be expensive, but little by little our fund of information will increase and we will learn how to make a great many things out of soybean oil that we know nothing about now.

Chemical Developments Study Finished by Commerce Bureau

A review of chemical developments abroad in 1939 has been completed by the Bureau of Foreign and Domestic Commerce. The review reveals that no single new commodity actually was developed which was outstanding, as in some previous years, but several of less importance were evolved.

In England a blackout paint, used as airplane-raid protection for windows, skylights, and the like, was marketed by a gas concern. In Germany an antiseptic agent, a bromine derivative, made entirely from German materials, was adopted by the German Army and para-military organizations. A German manufacturer of food-preserving esters, alkyl esters of aromatic organic acids, placed on the market antioxidants for edible and technical fats and oils. A new vaccine was developed to combat dysentery, and an insecticide preparation incorporating derris extract is being used successfully in Germany for combating the strawberry anthonomus or beetle.

The study, which is nearly 200 pages in length, may be obtained at a cost of 20 cents per copy, either from the Superintendent of Documents, Washington, D. C., or the district offices of the Bureau of Foreign and Domestic Commerce, which are located in most of the country's leading trade centers.

Commercial Solvents Making Riboflavin for Use in Foods

Riboflavin, also known as Vitamin B_2, Vitamin G, is being produced in commercial quantities at the Commercial Solvents Corporation plant at Peoria, Ill. Production cost has been reduced to a point making it possible for this vitamin to be restored to flour and other foods stripped of it in processing operations.

One of the largest flour mills in this country has contracted with Commercial Solvents for a supply of riboflavin to replace the vitamin lost in factory processing. According to Theodore P. Walker, president, the new manufacturing process of his company makes it possible to extend the use of this vitamin in foods since the element of cost now permits its wider use. Hitherto, Mr. Walker says, it had been confined almost solely to pharmaceutical use.

Uhrbach Named Head Of Pittsburgh Paint Club

H. R. Uhrbach, of the O. Hommel Company, was elected president of the Pittsburgh Paint, Varnish and Lacquer Association at the annual meeting held in the Duquesne Club. Other officers elected were:—Vice-president, Walter H. Kirch, of the Pittsburgh Plate Glass Company, and treasurer, E. B. Harrison, of the Sherwin-Williams Company. James K. White, of W. W. Lawrence & Co., was reelected secretary.

Benzoate Coating Proposed For Fish-Wrapping Paper

H. E. Crowther, bacteriologist for the Aquacide Company, Washington, has published a progress report in his study of the preservative efficacy of sodium benzoate as a coating on paper used for wrapping fish fillets. His conclusion is that a coating of sodium benzoate and sodium chloride on fillet wrappers, such as waxed parchment paper, properly applied and used under essential conditions of sanitation and refrigeration provides a reliable and satisfactory means of preserving the quality and prolonging the keeping time of fish fillets. He suggests a coating composed of 5 parts of sodium chloride and 1 part of sodium benzoate applied in a proportion to give 2.1 grams of the former and 0.4 grams of the latter on a wrapper measuring 11 by 17 inches.

Paint Data Presented

Data on paints for asbestos shingles, for porous surfaces, and for acoustical wallboard are presented in the latest edition of Paint Progress, periodical publication of the New Jersey Zinc Company. An article concerning the use of zinc primers on structural steel also appears in the issue. Copies of the publication may be secured by addressing the New Jersey Zinc Company, 160 Front street, New York, mentioning the REPORTER.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Calcium Carbide:—Nictheroy, Rio de Janeiro, Brazil; purchase (364).

Citric Acid:—Cairo, Egypt; purchase (352).

Shellac, T.N. Orange:—Stockholm, Sweden; purchase (343).

Tung Oil:—Stockholm, Sweden; purchase (345).

Mexican Oil Ban Bill Defeated in House

OPD Washington Bureau
October 1, 1940

Attacked on the grounds that it gave the President the power to involve us in war, a bill (S. 3936) to prevent the importation of Mexican oil was defeated today in the house. The bill authorized the President to exclude property confiscated in foreign countries without payment of just compensation.

Disregarding the warning of Hatton W. Sumners of Texas that continued inflow of Mexican petroleum tended to ruin American oil producers, Congressmen commented unfavorably on the fact that the measure's broad provisions referred to all property seized by all foreign governments.

Antitrust Triple Damages Ruling Asked of High Court

OPD Washington Bureau
October 3, 1940

The Supreme Court of the United States has been asked to rule that the government, under the Sherman antitrust act, can collect triple damages from companies which conspire to fix excessive prices of products sold to the United States. The requests, filed by Solicitor General Biddle, sought a review of a decision by the Federal Circuit Court at New York denying the government $1,053,474 damages from seventeen rubber tire manufacturing companies alleged to have fixed collusive prices on tires sold to the government during 1936-38.

Leader in "

Discoveries and advances in the vitamin field made by Merck Chemists and their collaborators have continually emphasized the outstanding rôle played by Merck & Co. Inc. in the development of this therapeutically important line.

The following historical review of recent advances in the vitamin field, dramatically portrays the contributions of Merck & Co. Inc. in making available many of these essential factors in pure form:

1934 *Ascorbic Acid Merck (U.S.P.) was made available by Merck & Co. Inc.*

1936 *Vitamin B_1 was synthesized in the Merck Research Laboratories.*

1937 *Vitamin B_1 Crystals Merck (Thiamine Hydrochloride U.S.P.) was made available in commercial quantities.*

1938 *Nicotinic Acid Merck (U.S.P.) became commercially available.*

1938 *Riboflavin Merck was the second pure crystalline vitamin to reach commercial production during that year.*

1938 *Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.*

1939 *Vitamin B_6 was synthesized in the Merck Research Laboratories.*

1940 *Vitamin B_6 Hydrochloride Merck became available in commercial quantities.*

1940 *Alpha-Tocopherol Merck (Vitamin E) was made commercially available.*

1940 *2-Methyl-Naphthoquinone Merck, a pure chemical having marked Vitamin K activity, became available in commercial quantities.*

1940 *Pantothenic Acid, the most recently synthesized member of the Vitamin B Complex, was identified and synthesized by Merck chemists and their collaborators.*

"The Advance of Vitamins"

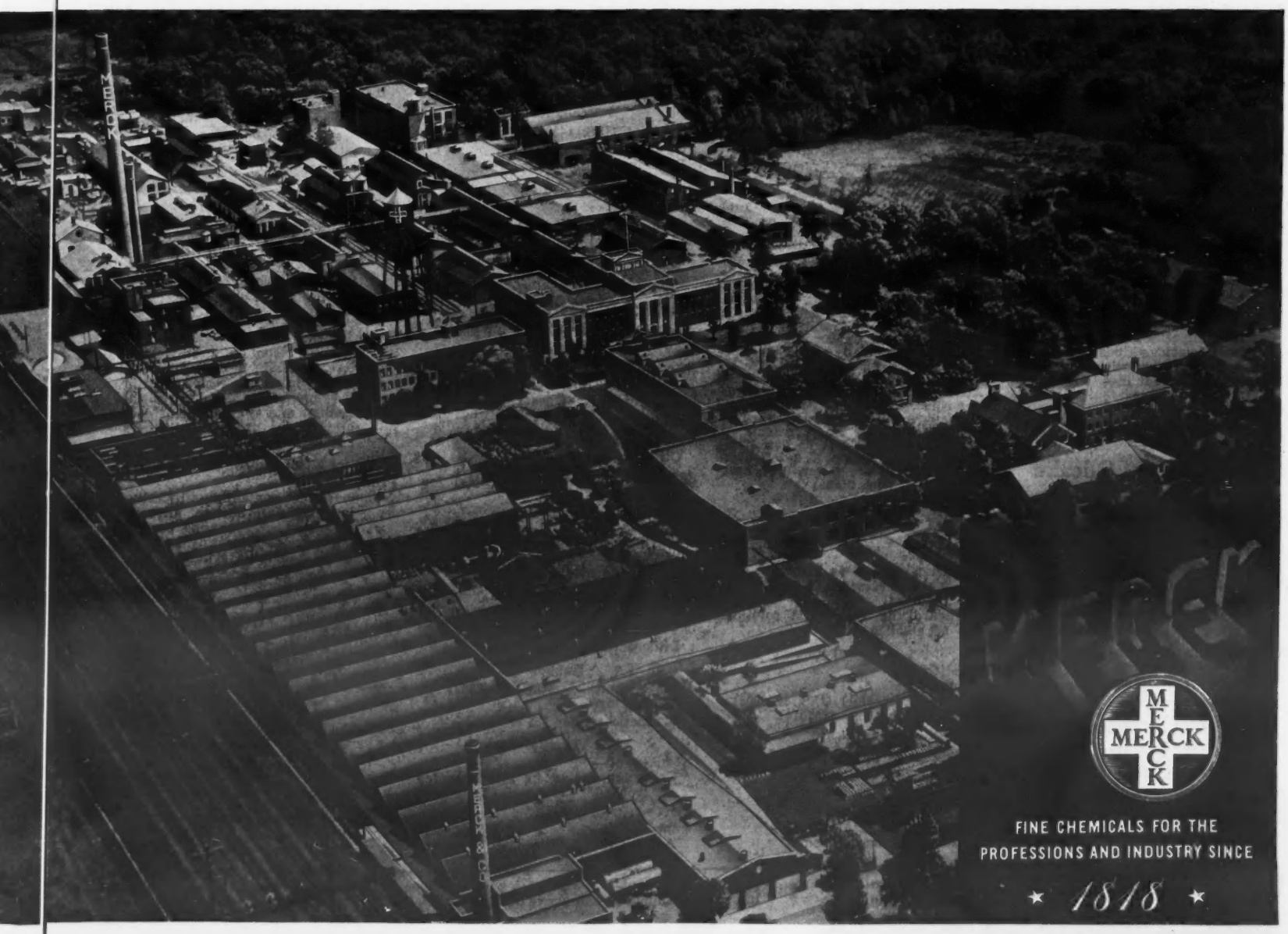
With vitamins commercially available as pure substances, it is now possible for the pharmaceutical manufacturer to formulate desirable vitamin combinations with consummate ease. By using these pure chemicals of known and uniform potency, the manufacturer can readily adjust the proportions of the individual vitamins to the particular requirements of his own products.

Through institutional advertising in leading medical journals, exhibits at important medical meetings, and by the distributions of factual and up-to-date descriptive literature, Merck & Co. Inc. is constantly bringing the uses and advantages of vitamins to the attention of the medical profession for the benefit of pharmaceutical manufacturers who make dependable vitamin preparations. *The Merck technical staff and laboratories are prepared to serve customers in manufacturing problems involving pure vitamins. We invite you to write us.*

MERCK VITAMIN PRODUCTS

Vitamin B_1 Crystals Merck
(Thiamine Hydrochloride U. S. P.)
Ascorbic Acid Merck (U. S. P.)
Riboflavin Merck
Nicotinic Acid Merck (U. S. P.)
Nicotinamide Merck
Vitamin B_6 Hydrochloride
Merck
2-Methyl-Naphthoquinone
Merck
Alpha-tocopherol Merck
(Vitamin E)

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**
NEW YORK · PHILADELPHIA · ST. LOUIS · *In Canada:* MERCK & CO. Ltd., MONTREAL AND TORONTO



Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Seven-hundred-seventeenth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

4:4'-Bis-(para-aniline-sulphonamido)diphenyl

Pharmaceutical

Claimed (Brit. 502173) as—
Therapeutically valuable agent for treating bacterial infectious diseases

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Butyl Para-aminobenzoate

Chemical

Starting point (Brit. 230089) in making—
Anesthetics by reacting with picric acid
Antiseptics by reacting with picric acid

Butyl Ricinoleate

(Butylricinoleat, Butylrizinoleat, Ricinoleate de Butyle, Ricinoleate Butylique, Ricinoleato di Butil, Ricinoleato de Butile; Ricinoelsauresbutyl, Ricinoelsauresbutylester; Rizinoelsauresbutyl, Rizinoelsauresbutylester)

Lubricant

Ingredient of—
Lubricating compositions

Mechanical

As a lubricant

Miscellaneous

Plasticizer in—
Various compositions

Ethyl Oleate

(Aethyloleat, Oleate d'Ethyle, Oleate Ethylique, Oleinsauresaethyl, Oleinsauresaethylester)

Lubricant

Ingredient of—
Lubricating compositions

Mechanical

As a lubricant
As a water-resisting agent

Miscellaneous

Plasticizer for—
Special purposes
Solvent for—
Special purposes
Solvent and plasticizer in—
Coating compositions
Polishes of various kinds
Waterproofing compositions
Water-resisting agent in—
Coating compositions
Polishes of various kinds
Waterproofing compositions

Horsechestnut Oilcake

Chemical

Suggested (in Germany) as source of—
Alcohol Saponins

Pharmaceuticals

Suggested (in Germany) as source of—
Saponins

Soap

Suggested (in Germany) as source of—
Saponins for detergent use

Hydroxylammonium Sulphate

Chemical

Purification agent for—
Aldehydes Ketones
Reactant in—
Synthesis of organic chemicals

Leather

Dehairing agent for—
Hides and skins

Photographic

Developing agent in—
Image-revealing processes

Hydroxymargaric Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

3-Methoxycyclotetramethylenesulphone

Chemical

Intermediate (Brit. 489974) in making—
Textile assistants

Dye

Intermediate (Brit. 489974) in making—
Dyestuffs

1-Methylthiol-4-methylbenzothiazole

Insecticide

Toxic agent (Brit. 500197) in—
Emulsified insecticidal compositions

Potassium Bitartrate

(Covers both crude and refined potassium bitartrate; the crude contains calcium tartrate as the principal chemical impurity)

(Acid Potassium Tartrate, Argal, Argol, Bitartras Potassicus, Bitartrate of Potash, Bitartrate de Potasse, Bitartrate de Potassium, Bitartrato de Potasa, Cream of Tartar, Creme de Tartre, Cremor Tartari, Cremor de Tartaro, Cremor di Tartaro, Cremore di Tartaro, Cristaux de Tartre, Crude Tartar, Crystals of Tartar, Kali Bitartaricum, Kalium Bitartrat, Lies de Vin, Pierre de Vin, Potassii Bitartras, Potassii Tartras Acidus, Potassium Acid Tartrate, Potassium Hydrogen Tartrate, Purified Cream of Tartar, Red Argol, Red Tartar, Sal Kalicus, Sauresweinsaureskali, Sauresweinsteinsaureskalium, Subtartrate de Potasse, Tartaro, Tartras Depuratus, Tartrate Acide de Potasse, Tartrate Acide de Potassium, Tartrate de Potasse Acide, Tartrato Acido di Potassio, Tartrato Bipotasico, Tartre, Tartre Acidule de Potasse, Tartre Acidule de Potassium, Tartre Brut, Weinstein, Weinsteinrahm, White Argol, White Tartar, Wine Lees' Potash Salt, Wine Stone)

Analysis

Reagent for—
Glucose
Reagent in—
Analytical processes involving control and research in science and industry
Standardizing volumetric solutions of alkalies

Beverage

Ingredient of—
Beverages
Beverage (special) (U.S. 1250095)
Grape juice (U.S. 1207014)

Chemical

Starting point in making—
Other tartrates
Tartaric acid

Dry Cleaning

Ingredient (U.S. 1151416) of—
Stain-removing compound

Dye

Process material (U.S. 1245694) in making—
Dyestuff

Food

Ingredient of—
Baking powders
Bread dough (U.S. 1272220)
Candy and other confectionary
Cake flour (U.S. 1266202)
Cream centers for candy (U.S. 1309979)
Gelantinized chocolate (French 540303)
Halvah (U.S. 1154059)
Leavening (U.S. 1213357)
Miscellaneous food products (U.S. 1167133 and 1234858)

Process material in making—
Baking powder (U.S. 1134956, 1150901, 1214726, 1264592, 1274334, 1286145, 1286903, 1286904, 1322561, 1380828 and 1427979)

Marine

Ingredient (U.S. 1157234) of—
Plastic composition for sealing holes in sunken ships

Metallurgical

Ingredient (French 607754) of—
Electrolytic baths for tinning iron and steel

Process material in—
Galvanic tinning of metals
Gold-coating aluminum, brass, copper, iron, steel (U.S. 1208507)
Metal-coloring processes
Platinum-coating aluminum (U.S. 1274995)
Silver-coating aluminum, brass, copper, iron, steel (U.S. 1208507)

Miscellaneous

Ingredient (U.S. 1489573) of—
Cleaning cloth impregnant
Polishing agent

Oral Hygiene

Ingredient of—
Dentifrice (U.S. 1275275, 1297494 and 1467024; re-issue 14961; French 559223)
Mouthwash (U.S. 1275275)

Paper

Ingredient (U.S. 1417708) of—
Greaseproofing mixture for paper

Pharmaceutical

In compounding and dispensing practice

Ingredient (U.S. 1150901) of—
Effercescent salt

Reactant in making—
Other tartrates

Suggested (by some authorities) for use as—
Cathartic
Diuretic
Refrigerant drink in febrile affections
Veterinary medicine

Printing

Process material (U.S. 1129901) in making—
Lithographic engraving

Rubber

Process material (U.S. 1248888) in making—
Synthetic rubber

Textile

Reducer of—
Chromium oxide in mordants for wool

Wine

Improver of—
Acetous fermentations

Toluene Ethylsulphonamides

(Mixture of Ortho and Para Types)

(Santicizer 8)

Adhesives

Plasticizer in—
Adhesive compositions containing ethylcellulose, cellulose acetate, nitrocellulose, or certain resins

Cellulose Products

Plasticizer for—
Cellulose acetate (claimed to give a brilliance and polish not obtainable with other plasticizers)
Ethyl cellulose
Nitrocellulose (said to improve the flexibility, workability and gloss, although the light-stability in nitrocellulose is not claimed to be of the highest order)

Ceramic

Plasticizer in—
Compositions, containing ethylcellulose, cellulose acetate, nitrocellulose, or certain resins, used as coatings for protecting and decorating ceramic products

Chemical

Organic chemical offering following properties—
Light-amber colored liquid
Maximum acidity (as acetic acid), 0.1 percent
Readily miscible with all common organic solvents, except the petroleum hydrocarbons in which it is only very silghtly soluble

Electrical

Plasticizer in—
Insulating compositions, containing ethylcellulose, cellulose acetate, nitrocellulose, or certain resins, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer in—
Compositions, containing ethylcellulose, cellulose acetate, or nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Leather

Plasticizer in—
Compositions, containing ethylcellulose, cellulose acetate, nitrocellulose, or certain resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer in—
Compositions, containing ethylcellulose, cellulose acetate, nitrocellulose, or certain resins, used as coatings for protecting and decorating metallic articles

(To be continued)

Triethyldi-(3:4-dichlorobenzyl)aminoethyl-Ammonium Methosulphate

Insecticide

Mothproofing agent (Brit. 483368) for treating—
Feathers and fibrous materials of animal origin, such as spun or unspun wool (claim is made that it can be applied from neutral or slightly alkaline aqueous solutions and is very fast to washing)

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials • **$10** Postage paid in U. S. 39c postage elsewhere

Dyestuffs, Textile and Leather Chemicals

Better Demand Reported for Sizing and Tanning Materials —Sulphonated Castor Oil Easier — Bichromates Firm —Prices for Valonia Beards and Cups Withdrawn

A better demand was reported in some divisions of the market for dyestuffs, textile and leather chemicals last week. Orders reached the market more consistently for sizing and tanning materials, and this could be attributed to better operations in the textile and leather industries. Many consumers have left inventories reach low levels, and were forced to come in the market for replacements.

With the exception of a recession in various grades of sulphonated castor oils, the market lacked any fluctuation. The decline in the basic commodity brought about a fractional reduction in the sulphonated grades; no change occurred in the olive or tallow oils. Prices were withdrawn on valonia beards and cups because of the difficulty in obtaining shipments from primary markets.

Bichromates moved moderately. Export inquiries were about normal, and market was in a much better position than the same period a year ago. While exports are subject to licenses, sellers were able to make most shipments to South America and the United Kingdom.

Price Changes

Advanced

None

Reduced

Castor oil, sulphonated, ½c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.6	144.6	144.4	148.4

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Transactions routine. Prices steady to firm.

Alumina Chloride.—Fair interest. Quotations remain the same.

Ammonia Acetate.—Buying narrow. No change in the prices.

Ammonia Bichromate.—Not much broadening in the demand. Prices rule firm.

Antimony Salts.—Prices hold firm, while business continued dull.

Chrome Acetate.—Steady to firm price tone, with dealings conservative.

Potash Bichromate.—Moderate shipments against contracts the rule. Prices firm.

Potash Prussiate.—Market position firm. Business only fair.

Soda Bichromate. — Withdrawals steady. Normal export inquiry. Prices unchanged and firm.

Soda Prussiate.—Market remained a routine affair. Prices well sustained.

Sulphonated Oils.—Prices for various grades of sulphonated oils ½c. lower, reflecting decline in the basic commodity. No change occurred in the olive or tallow prices. Demand moderate.

Zinc Dust.—Prices remain firm and unchanged. Business fair.

Dyestuffs

Annatto.—Business lacked any expansion, but prices were firm. August imports 150,590 pounds, valued at $3,572, of which 150,250 came from Ecuador.

Cochineal.—Usual consumers made necessary replacements as a rule. Pricewise a firm tone prevailed.

Fustic.—Demand only fair. Nothing new occurred in the quotations.

Hypernic.—Business spotty. Prices failed to change.

Indigo.—Stocks small, with new crop awaited. Buying dull.

Logwood. — Shipments continued routine. Prices were unchanged and firm.

Madder Dutch.—Withdrawals conservative. Prices remain the same.

Turmeric. — Market position firm. Consumers entered market for nearby needs. August imports 40,896 pounds, valued at $1,749, of which 32,719 pounds came from British India.

Sizing Materials

Albumen, Blood.—Demand steady. Prices lacked change, but tone of market remained firm.

Albumen, Egg.—Buying moderate. Prices steady to firm.

Corn Sugar. — Prices rule firm. Bookings fairly steady.

Dextrin, Corn.—Business moderately active. Prices continued unchanged and firm.

Egg Yolk.—No new price developments occurred, while transactions were only fair.

Sago Flour. — Withdrawals were steady. Pricewise a steady to firm tone prevailed.

Starch, Corn.—Consumers made replacements on a moderate scale. Nothing new was disclosed in the prices. Visible supplies of corn in the week ended September 28 increased 4,773,000 bushels.

Starch, Potato.—No further change occurred in the domestic prices. Shipments were steady.

Starch, Rice. — Prices were well maintained. Demand moderately active.

Starch, Sweetpotato.—There were no new price developments. Inquiries reached the market in satisfactory volume.

Starch, Wheat.—Prices ruled unchanged. Withdrawals fair.

Tapioca Flour. — Steady to firm price tone. Business moderate.

Tanning Materials

Chestnut Bark.—Prices firm. Spot and contract shipments routine.

Cutch.—Purchases were made moderately. Prices remain the same.

Gambier. — New business lagged. Prices lacked any change.

Hemlock Bark.—Withdrawals moderate. Prices remain firm.

Hematine.—Fair interest. No change disclosed in the quotations.

Mangrove Bark.—Consumers displayed little more interest. Prices without change.

Myrobalans.—Quotations failed to change, and buying was slightly better.

Oakbark.—Prices ruled firm, while shipments moved steadily.

Osage Orange.—Not much feature to the trading. Prices unaltered.

Quebracho.—A steady to firm price tone prevailed. Demand moderate.

Quercitron.—Consumers made fair size replacements. Prices the same.

Spruce.—Buying moderate. Prices continued at previous levels.

Sumac. — Nothing new developed here, with shipments from primary markets stopped.

Valonia.—Prices for beards and cups were withdrawn in the absence of any shipments from abroad.

Wattle Bark. — Business routine. Pricewise a steady to firm tone predominated.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Textile Chemists and Colorists, Oct. 18-19, New York.

Tanners Council to Meet In Chicago Oct. 17-18

—Continued from page 4

who will discuss "World Supply and Demand," and Edward L. Drew, statistician for the council, will speak on "Domestic Supply and Demand." Prior to the luncheon, "Leather in the Defense Program" will be presented by Henry M. McAdoo, executive of the advisory commission to the Council for National Defense.

The round-table discussions on the following day will deal with "The Futures Market" and "Improving Today's Selling Policies." George R. Bernheim, of R. Neumann & Co., will be chairman of the former, with Herbert H. Sawyer, of the Sawyer Tanning Company, and Joseph C. Kaltenbacher, of Seton Leather Company, as principal speakers. William B. Eisendrath, Monarch Leather Company, will direct the second discussion with Stanley B. Hunt, director of the Textile Economics Bureau, and E. Carle Shotwell, Helburn Thompson Company, as speakers. At the luncheon, Dr. Marcus Nadler, research director of the Institute of International Finance, will discuss the consequences that divergent developments in the war may have upon the domestic outlook.

Andrew Jergens Company, soap manufacturer, Cincinnati, plans an addition to its Burbank, Calif., plant at a cost of $25,000.

Leather Chemists' Groups To Meet Here Oct. 11-12

Meetings of the American Leather Chemists' Association committees on tannin analysis and the standardization of physical constants will be held in conjunction with the regular Fall meeting of the council of that association in the Hotel Pennsylvania, this city, October 11-12. The committees will meet on both days, while the council will convene on Saturday morning.

Discussions of the tannin analysis and standardization committees will be presided over by the chairmen of the groups, C. R. Oberfell, of the Mead Corporation, and Dr. Warren E. Emley, of the National Bureau of Standards, respectively.

Silk Soaking Agent Offered

A newly developed organic chemical for the treatment of gum silk has been introduced by the Quaker Chemical Products Corporation. It is known as "Quaker Diapene 1033." and said to give uniform results as a soaking treatment on gum silk to prepare it for knitting of hosiery. It is claimed that only thirty minutes soaking is required, regardless of whether open tub, circulating bath, or machine soaking is employed. Complete data on the new product may be obtained by communicating, on company stationery, with the Quaker Chemical Products Corporation, Conshohocken, Pa., mentioning the REPORTER.

Menchaca With A.O. Glasson

Augustin Menchaca, long identified with the importing business, has joined A. O. Glasson, importer and commission merchant, this city. Mr. Manchaca will be in charge of importations from China, including dry egg products. Mr. Menchaca was formerly affiliated with the Bridges, Neumer & Co., this city.

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Write for our convenient specification chart and for complete information on Barrett coal-tar solvents. We will gladly cooperate with you in selecting the most suitable solvent or in developing special solvents for your purpose. Inquiries are invited.

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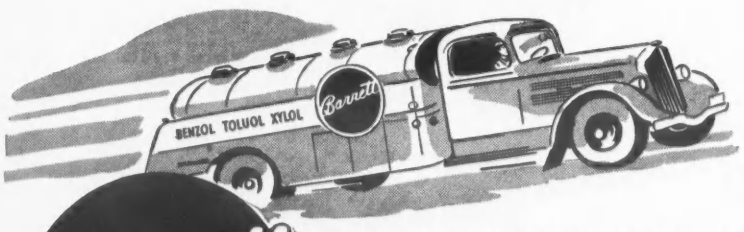

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Within a radius of 50 or 60 miles of 13 important industrial cities, Barrett Benzols, Toluols, Solvent Naphtha and Xylols are delivered direct to customers in express tank trucks. Ask us about this time-saving, money-saving service.

Coaltar Chemicals

August Benzol and Toluol Output Well Ahead of Year Ago
Light Oil and Tar Recovery Continues Upward Trend
—Shipments of Phenol and Phthalic Anhydride Good

Shipments were retained at fair levels in the market for coaltar chemicals last week. Solvents were taken steadily against contracts, with benzol displaying some improvement. Toluol remained a firm feature. Phenol shipments moved to major channels at a good pace. Pyridin was well absorbed. Phthalic anhydride was in good demand. Dealings in coaltar acids continued routine. Coaltar colors and intermediates received steady support. Market lacked any new price developments, and a steady to firm tone prevailed.

Benzol production during August totaled 11,357,000 gallons, compared with 11,727,000 gallons in July and 9,007,000 gallons in August, 1939. For the first eight months output aggregated 85,170,000 gallons, against 60,793,000 gallons in the like period a year ago. Toluol output in August was 2,566,000 gallons, contrasted with 1,684,000 gallons in August a year ago, according to the Bureau of Mines.

August light oil recovery totaled 19,171,154 gallons, compared with 18,885,123 gallons in July and 14,805,021 gallons in August, 1939. For the first eight months output amounted to 140,975,694 gallons as compared with 102,196,580 gallons in the corresponding period a year ago. Tar output in August was 58,116,752 gallons, against 57,249,657 gallons in July and 44,881,061 gallons in August, 1939. For the first eight months production aggregated 427,363,382 gallons, as against 309,805,716 gallons in the same period last year.

The output of by-product coke in August amounted to 4,682,073 tons, against 4,619,156 tons in July and 3,652,000 tons in August a year ago. Stocks of by-product coke on September 1, 1940, stood at 2,026,816 tons, an increase of 111,750 tons, or 6 percent to the supply on hand on August 1. Coke was produced at 85 plants of which 80 made ammonia; 56, benzol; 54, toluol; and 24 naphthalene.

Basic Products

Benzol.—Shipments moved steadily against contracts. Prices held unchanged.

Carbazole. — Commitments routine. Pricewise a firm tone prevailed.

Coaltar.—Consumers made fair size replacements against contracts. Quotations unchanged.

Creosote Oil.—Withdrawals moderate. Market position firm and prices well maintaned. August imports 3,617,202 gallons, valued at $338,712, of which 3,589,689 gallons came from the United Kingdom.

Cresols.—Shipments moved at a fair pace in most directions. Prices ruled firm. August imports 1,568 pounds, valued at $674, all from the United Kingdom.

Cresylic Acid.—Demand irregular. Prices lacked any change, with a steady to firm tone in evidence. August imports 85,211 gallons, valued at $41,845, of which 85.008 gallons came from the United Kingdom.

Naphthalene.—Dealings in crude routine. while seasonal dullness prevailed in the refined market. Prices firm. August imports 683,135 pounds, valued at $17,043, all from Russia. Domestic production during August 6,286,000 pounds, against 4,128,000 pounds in August, 1939.

Oil, Shingle Stain.—Trading lacked much feature, and prices were the same.

Phenol.—Withdrawals continued at good levels, especially to plastic trade. Prices firm.

Pitch, Coaltar. — Market routine. Prices unchanged and firm. August imports 223,795 barrels, valued at $12,035, of which 213,926 barrels came from Canada.

Pyridin.—Spot and contract shipments steady. Prices rule firm.

Solvent Naphtha.—Business moderate. No change in the prices.

Tar Acid Oils.—Buying conservative. Prices failed to change.

Toluol.—Demand sufficient to absorb available production. Some export inquiries. Prices firm. August output 2,566,000 gallons, against 1,684,000 gallons in August, 1939.

Xylol. — Transactions moderate. Nothing new occurred in the prices.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.1	127.1	125.7

Market news that may have developed after this report was sent to press will be found on page 4.

Chicago Coaltar Bases

Demand for coaltar bases is good, and buyers seem to be willing to take in fairly substantial quantities. Xylol has been moving comparatively well. Benzol is reported somewhat more stabilized than recently was the case. Inquiry remains good. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 10c. to 10½c.; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Business routine. Nothing new occurred in the prices.

Benzoic.—Fair demand. Sellers adhered to previous quotations.

Broenner's.—Buying held to nearby needs. Prices rule firm.

Cleve's.—Prices unchanged and firm, with shipments conservative.

Fumaric.—Moderate buying. Prices in conformity with those prevailing previously.

Gamma.—Fair interest. Pricewise a firm tone predominated.

H.—Market strictly a routine affair. No change in the prices.

Laurent's.—Business failed to broaden, but prices remain firm.

Maleic.—Shipments moderately active. Market retained its firmness.

Malic.—Consumers made fair size replacements to keep market position satisfactory.

Picramic.—Usual consumers provided moderate interest. Prices rule firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.
Pest Control Association, Oct. 28-30, Indianapolis.

Picric.—The tone of the market held firm, while buying was steady.

Salicylic.—Technical grade moved moderately, and prices lacked any change.

Succinic.—Demand routine. Prices unchanged and firm.

Sulphanilic. — There was little change in the character of buying from recent weeks. Prices unchanged.

Tobias.—Steady to firm price tone. Business fair.

Other Intermediates

Alphanaphthol.—Business fair and prices well sustained.

Alphanaphthylamine. — Steady to firm price tone, with buying moderate.

Anilin.—Consumers made moderate replacements as a rule.

Anthraquinone.—Buying held at fair levels. Pricewise a firm tone prevailed.

Benzaldehyde. — Quotations unchanged and firm. Business moderate.

Benzidin Base.—Prices rule firm. Demand fair.

Betanaphthol. — Shipments moved moderately. Prices failed to change.

Betanaphthylamine.—Demand was sufficient to keep market in firm position.

Diethylanilin. — Consumers made necessary replacements. Prices unaltered.

Dimethylanilin. — Commitments moderately active. No change in the price.

Dinitrobenzene. — Business steady. Pricewise a firm tone prevailed.

Dinitrochlorobenzene. — Steady to firm price tone. Demand routine.

Dinitronaphthalene.—Fair interest. Prices lacked any alteration.

Dinitrophenol.—Demand failed to broaden, but market position continued firm.

Dinitrotoluene.—Market position favorable and shipments steady.

Diphenyl.—Not much new business reported. Prices unchanged and firm.

G. Salt.—Demand continued routine and prices without change.

Metanitroparatoluidin. — Small

—Continued on page 38

Craven to Head Sales For Coopers Creek Corp.

A. R. Craven, until recently sales manager for Certain-Teed Products Corporation, this city, has been named vice-president in charge of sales for Coopers Creek Chemical Corporation, West Conshohocken, Pa.

Starting as a salesman in the Chicago office of Certain-Teed in 1923, Mr. Craven was named sales manager of the Milwaukee district office four years later. In 1936, following six years as head of the Philadelphia office, he was brought to New York as assistant division sales manager of the roofing division. A year later he was named division manager of the West coast, with offices at San Francisco, and in 1939 was brought back to New York to head all sales for the company.

Eyelash Dye Purveyor Given Jail Sentence

OPD Washington Bureau
October 3, 1940

Stiff penalties are being given by Federal judges for violation of the food, drug, and cosmetic act in many recent trials, according to officials of the Food and Drug Administration.

As an example, the administration has just been informed that the Federal court in Philadelphia imposed a jail sentence of three months, which it refused to suspend, on Leroy K. Payne, trading as Andree Laboratories, Coatsville, Pa., upon conviction for shipping a paraphenylenediamine eyelash dye in violation of regulations characterizing such products as dangerous cosmetics. This was his first conviction, though the evidence showed he had been warned by the administration but failed to heed the warning.

Socony-Vacuum Oil Company, this city, will pay employes who enter military service the difference between their regular earnings and the army or navy pay for the first three months.

F.T.C. Order Hits Marketing of Glucose

—Continued from page 3

cording to findings, but varied with the geographical location of the purchasers; for example, they varied from $2.09 in Chicago to $2.92 in Abilene, Tex., as of August 1, 1939, while at the same time Nashville purchasers paid $2.51 and St. Louis customers $2.27.

Findings are that the respondent's policy has been to sell and deliver its syrup in several sizes and types of containers at prices per hundredweight over the tank-car price per hundredweight, according to the size and type of container, and that it has also sold its syrup for delivery in containers of the same size at higher prices to some purchasers than to others; for example, in St. Louis it sold such syrup delivered in returnable drums to some purchasers at 13 cents per hundredweight over the tank-car price in accordance with its pricing policy but concurrently sold it in identical containers to other St. Louis purchasers at only four cents per hundredweight over the tank-car price.

By selling its syrup at the different prices as found, the findings continue, the differences between which prices have not been justified by the respondent and which differences make more than due allowance for differences in the cost of delivery, the respondent has discriminated in price between such purchasers, the result having been to place unfavored purchasers paying the greater prices under a competitive disadvantage.

U.S. Plywood to Market Plastic Resin Adhesive

United States Plywood Corporation, this city, plans to shortly market the first "one-part" plastic resin adhesive, a urea-formaldehyde glue. In describing the product the company reported that in the form of a fine powder, the new glue is mixed with cold water, in which it dissolved instantly. No separate hardener, or catalyst, is used, nor is heat necessary after application. Jobs might be handled and worked in two hours; they took on waterproof characteristics in forty-eight hours and become completely waterproof after two weeks aging.

Trade Briefs

Koppers Company, Pittsburgh, has called for payment November 1, $246,000 of its first mortgage and collateral trust series A bonds.

General Aniline & Film Corporation, this city, has merged the Ozalid Corporation, a subsidiary. It will be operated as the Ozalid products division.

Naphthalene, unrefined for industrial uses, imported into Peru declined in 1939 to 4,313 kilograms from 10,466 in 1938. The principal supplier of this product in 1938 was Germany, which furnished 7,583 kilograms.

Calco chemical division of the American Cyanamid Company, Bound Brook, N. J., awarded seven ten-year safety emblems last month to employees who completed ten years service without a lost-time accident.

Nova Chemical Corporation, this city, has been appointed sole distributor for 'Nuprint' textile colors, a new line of colors for textile printing recently developed by Mass & Waldstein Company, Newark, N. J.

Steel Barrel Output Up

Production of heavy type steel barrels and drums totaled 958,120 in August, compared with 1,081,425 in July and 851,087 in August, 1939. Shipments were 963,600, against 1,075,434 in July and 849,697 in August last year. Output of light type steel barrels and drums was 255,682 in August, 229,191 in July and 201,567 in August, 1939. Shipments were 253,389, 230,419 and 197,976, respectively.

KOPPERS

PHENOL—All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

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Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

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FLOTATION PROCESSES
INSECTICIDES

TAR ACIDS
Phenol • Cresol
Cresylic Acid

TAR ACID OILS

Coaltar Chemicals

Other Intermediates

—*Continued from page 37*

quantities made up the call. Prices firm.

Metaphenylenediamine. — Buying conservative. Firm price tone.

Nitrobenzene. — Shipments steady in most directions. Prices unchanged.

Nitronaphthalene. — Withdrawals routine. Quotations well maintained.

Orthoanisidin.—Fair demand. No change in the prices.

Orthochloroanilin.—Moderate buying. Quotations remain the same.

Orthochlorophenol. — Consumers made necessary purchases as a rule.

Orthocresol.—Shipments moderate and steady. Prices lacked change.

Orthodichlorobenzene. — Withdrawals moderately active. Prices firm.

Orthonitroanilin.—Business spotty. Prices unchanged and firm.

Orthonitrotoluene.—Firm price tone, with shipments routine.

Orthotoluidin. — Market position firm, and buying moderate.

Parachlorophenol.—Steady to firm tone, business fair.

Paranisidin. — Conservative buying the rule. Prices failed to change.

Paranitroanilin.—Business irregular. Prices steady to firm.

Paranitrochlorobenzene. — Prices unchanged and firm. Business narrow.

Paranitrophenol.—Fair interest displayed. Prices without change.

Paranitrotolene.—Business routine. No change disclosed in the prices.

Paratoluidin.—Firm price tone, with shipments fairly steady.

Phthalic Anhydride.—Demand good. Prices failed to change and market tone was firm.

R. Salt.—Business routine. No change in the prices.

Thiocarbanilide.—No change in prices, with buying steady.

Toluidin.—Steady to firm price tone prevailed. Shipments moderately active.

Xylidin.—Nothing new occurred in the prices and business was moderate.

Coaltar Colors

Shipments continued at fair levels in the market for various coaltar colors last week. Consumers, however, made commitments close to production requirements as a rule. Export inquiries were regarded as satisfactory, although shipments to the Far East have shown a decline in recent weeks. There was nothing new to divulge in the prices, and the general tone of the market continued firm. August imports of coaltar colors, dyes and stains amounted to 146,119 pounds, valued at $255,084, of which 71,402 pounds came from Germany and 64,562 pounds from Switzerland.

Phthalic Anhydride Freight Rate Is Revised in N.Y.

The New York Public Service Commission has approved an amendment to the commodity freight rate tariff filed by the New York Central railroad, relating to phthalic anhydride, as described in tariff, carload, minimum weight 40,000 pounds, from local stations to points in trunk line and New England territories. Present rates on acid in bags or drums made applicable when in barrels. Reductions effective October 14.

CRESYLIC ACID 97-99% Pale

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Here is a Benzol completely free of corrosive compounds—that will keep your stills running on a continuous maximum production basis—with fewer shut-downs for cleaning.

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You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol—always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed—Freezing Point 5.30° C—Boiling Range, less than 1° C—Bromine Index 3.

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JONES & LAUGHLIN STEEL CORPORATION
AMERICAN IRON AND STEEL WORKS
PITTSBURGH, PENNSYLVANIA

J&L STEEL

Chemical, Petroleum Corporation Incomes: '38

—*Continued from page 5*

The following statistics are given for corporations in the chemical and related industries and the petroleum industry:—

Corporations in Chemical and Related Industries

Number of returns:—	All corporations.	Reporting net income.	Reporting no net income.
1938	*7,150	2,799	4,002
1937	*7,188	3,107	3,677
Gross income:—			
1938	$3,709,338,000	$3,230,179,000	$479,159,000
1937	4,220,056,000	3,882,702,000	337,354,000
Net income:—			
1938	368,385,000	339,112,000	.....
1937	488,057,000	457,119,000	.....
Deficit:—			
1938	.....	.....	30,727,000
1937	.....	.....	19,062,000
Dividends, in cash and assets other than corporation's own stock, 1938	5,137,988,000	4,780,202,000	357,786,000
Federal taxes, 1938:—			
Income tax	.....	51,827,000	.....
Excess-profits tax	.....	212,000	.....

Petroleum and Coal Products Industry

Number of returns:—	All corporations.	Reporting net income.	Reporting no net income.
1938	*765	315	398
1937	*806	324	381
Gross income:—			
1938	$5,098,291,000	$2,459,321,000	$2,638,970,000
1937	5,286,864,000	4,638,211,000	648,653,000
Net income:—			
1938	58,285,000	146,406,000	.....
1937	279,558,000	300,815,000	.....
Deficit:—			
1938	.....	.....	88,121,000
1937	.....	.....	21,257,000
Dividends, in cash and assets or other than corporations's own stock, 1938	185,727,000	155,880,000	29,847,000
Federal taxes, 1938:—			
Income tax	.....	15,003,000	.....
Excess-profits tax	.....	29,000	.....

* Includes inactive corporations.

Weekly Wage Not Against Trust Laws

—*Continued from page 5*

business at lower labor costs was "obviously legitimate."

The department was asked to pass upon in advance a proposed agreement between a labor union and local employers which involved these points:—

1. A regular weekly wage of $32 to replace daily or hourly rates now averaging $45 a week in the hope that this would result both in increased employment and in more regular employment.
2. Establishment of a one-year "trial period" during which employment would be limited to members of the local union unless increased business required more labor than could be provided locally, in which case union workers from outside the area could be employed under identical terms.
3. Arrangements to transfer workers from one job to another within the area in order to avoid stoppages and to make it unnecessary for employers to pay idle time caused by bad weather.
4. Rotation of available work among members of the local union, with certain exceptions to permit employers to select foremen or maintenance men.
5. Addition of apprentices and new members to the local union if the plan is continued after the trial period and if more labor is required.

Reynolds Metals Attaches French Aluminum Shipment

The Reynolds Metals Company, this city, in a $1,218,212 suit against the Societe Aluminum Francais, a French corporation, attached 3,209,769 pounds of aluminum, valued at $577,758, consigned to the French firm. Reynolds claims the Societe contracted on March 8 to purchase large quantities of its products, but defaulted after the fall of France.

Match Industry Wages Increased 3.8% in 1939

The wage earners, primarily engaged in manufacturing, employed in the match industry in 1939 numbered 5,426, as against 5,261 reported for 1937, and their wages, $5,597,503, exceed the 1937 figure, $5,391,827, by 3.8 percent, according to the Census Bureau. The value of products in 1939 amounted to $25,577,201, an increase of 3.7 percent is indicated over the $24,656,009 ($30,902,138 minus the tax of $6,246,129), the net value of products for 1937.

Sulphuric Rates Reduced

The New York Public Service Commission has approved new commodity freight rates of the Lehigh Valley on sulphuric acid in tank cars, minimum weight subject to Rule 35 of Official Classification, rates per cwt., from stations Corfu to Buffalo inclusive to: Rochester, 13c.; Troy on Delaware & Hudson, 21c. Reductions from class rates. Effective October 11.

Caustic Soda Handbook Issued by Michigan Alkali

A manual describing the manufacture, properties, handling, and uses of caustic soda has been prepared by the Michigan Alkali Company. In addition to comprehensively treating caustic soda the volume contains an extensive list of conversion factors often used in commercial and technical plant calculations and a temperature conversion table with a range from —58°F. to 1166°F.

Included among the information presented on caustic soda is solubility and boiling points of solutions, chemical and physical properties, reactions of uses, technical and package data, handling of its solid and liquid forms in the plant, economics of the various forms, corrosiveness, caustic embrittlement, and analytical methods. A number of charts also give data as to the specific gravity, specific heat, viscosity, and dilution of caustic soda solutions. A copy of the manual may be obtained by writing the general sales offices of the Michigan Alkali Company, 60 East Forty-second street, New York making mention of the REPORTER.

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Helping thousands of frightened people to regain their peace of mind ...this is one of the most constructive services of the New York City Cancer Committee of the American Society for the Control of Cancer.

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Paint, Varnish, Lacquer Materials

Paint Materials Market Showing Signs of Increased Activity —Varnish Gums Firmer—Casein Still Weak—Bonedry Shellac Prices Down — Rosin Trend Upward

The seasonal pickup in interest in paint material was more pronounced last week with an increase in demand and volume of shipments reported in the general market. Titaniums and zinc oxides continued in strong call and other pigments began attracting more buying interest. Chemical colors were moving well and inquiries for earth colors indicated a good demand in the near future. Contract prices for cadmium lithopones will be unchanged for the last quarter, with producers optimistic regarding prospective sales. English vermilion was still sluggish. Reports of strength from primary centers and increased demand gave added firmness to quotations for varnish gums. Casein was weak. Ester gum was moving well and demand for chlorinated rubber was much heavier.

Bonedry shellac prices were reduced sharply on spot, due more to local competition than to any substantial weakening of the Calcutta market. A steady or firm tone prevailed in Southern and local markets for naval stores. Further advances occurred in rosin. Business showed improvement, although much of the purchasing was still along conservative lines. The movement to consumers and dealers on contracts apparently held up well. Offerings in primary centers were light or moderate in the absence of any increase in receipts, the daily arrivals being below the expectations of many in the trade.

Metallic Lead and Zinc

Demand for pig lead continued to be fairly heavy during the period under review and prices were reported very firm. In the slab zinc market, buyers were very active in the early days of the week and purchasing was heavy. Toward the end of the period, however, ordering fell off slightly. Quotations were firm.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from September 28 to October 4, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0500@.0505	$0.0485	..* .. ..
Monday	.0500@.0505	.0485	.. .. ..
Tuesday	.0500@.0505	.0485	.. .. ..
Wedn'sd'y.	.0500@.0505	.0485	.. .. ..
Thursday	.0500@.0505	.0485	.. .. ..
Friday	.0500@.0505	.0485	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from September 28 to October 4, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Prices steady. Shipments routine. New business slow.

Litharge.—Advance two weeks ago failed to discourage buyers who were more active during the period under review. Prices firm.

Lithopone. — Good movement on contract. New business small. Prices firm and unchanged.

Metronite Pigment.—Normal trade reported. Price firm.

Orange Mineral.—Pick-up in demand for deliveries reported. Inquiries more numerous. Prices firm and unchanged.

Red Lead. — Good movement of stocks. New business showing signs of improving. Prices firm and unchanged.

Price Changes

Advanced

Rosin, gum, high, low grades, 5c. to 15c. per 100 lbs.
Turpentine, gum, 1¼c. per gal.

Reduced

Rosin, gum, medium grades, 1c. per 100 lbs.
Shellac, bonedry, 2c. per lb.
refined, bonedry, 2c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.2

Market news that may have developed after this report was sent to press will be found on page 4.

Titanium Pigments.—Continued in heavy demand. Prices firm.

White Lead.—Fair movement, with pick-up seen in increased inquiries. Prices firm.

Zinc Oxides.—Shipments still heavy. Inquiries good. Prices firm.

Fillers and Extenders

Asbestos.—Movement to consumers satisfactory. Prices firm.

Asphaltum.—Little of new interest. Market routine.

Barytes.—Business showing signs of improvement. Deliveries somewhat heavier. Inquiries better. Prices firm.

Bentonite.—Normal business reported. Prices steady.

Blanc Fixe.—Conservative buying less pronounced. Price firm.

Chalk.—Moderate buying. Prices firm.

Charcoal.—Softwood material in fair demand. No changes in prices.

China Clay.—Normal contract deliveries. New business fair. Price steady.

Diatomaceous Earth. — Quiet and firm.

Feldspar.—Deliveries at slightly better level. Price firm.

Fluorspar.—Fair call for domestic material. No price revisions.

Fullers Earth. — Normal business. Price firm.

Graphite.—Routine and steady.

Gypsum.—Broader demand recorded. Prices steady for all grades.

Marble Flour.—Slight pick-up reported. Inquiries better. Price steady.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

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PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
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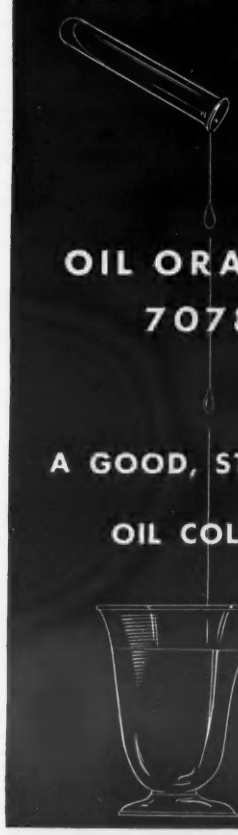
CALCO'S



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Oil Blue B-5199
Oil Orange Y-293
Oil Scarlet II
Liquid Oil Black 9096

Write today, stating your requirements, and working samples to meet your needs will be sent without charge.

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Stocks at
- NEW YORK
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Importers, Refiners, Manufacturers — 62 TOWNSEND STREET, SAN FRANCISCO, CALIF. — *4½ million gal. U.S. Gov't Bonded Tank Storage*

Mica.—Little of new interest. Price firm.

Pumice Stone.—Italian material unavailable. Domestic grades in better call. Prices firm.

Rottenstone.—Business fair. Price firm.

Silica.—Routine and steady.

Talc.—Conservative buying. Price unchanged.

Tripoli.—Buying satisfactory. No price change.

Whiting.—Better call for all grades. Prices steady.

Woodflour.—Imported material unavailable. Domestic grades moving slowly. Prices steady.

Driers

There was a moderate call for shipment of stearates and palmitates, but indications were that this would increase greatly later in the month. Inquiries were more numerous. Prices were firm and unchanged.

Synthetic Resins

Ester Gum.—Routine deliveries. Prices unchanged.

Chlorinated Rubber.—Demand increased. Prices unchanged for last quarter.

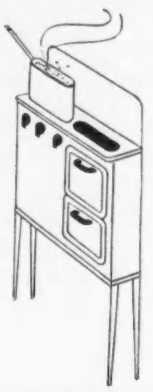
Varnish Gums

Demand for various grades of natural gums was better during the past week. All quotations remained unaltered but the tone of the market was strong due to reports from primary centers abroad that prices were higher.

Naval Stores

The tone of Southern and local markets for naval stores was generally steady or firm last week, with the trend of rosin again upward at times, all grades showing advances. The government remained out of the markets as a seller of turpentine but continued to supply rosin during the week. Offerings in Southern centers from other sources, however, were rather light or moderate, this applying to turpentine as well as rosin.

Very narrow boiling range



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PEERLESS CLAY · RAYBAR · RAYSIL
PYRAX · MULTIFEX
THERMATOMIC BLACKS
(R. T. VANDERBILT CO. N.Y. AMERICAN PRODUCTS)

RAYOX—Pure Titanium Dioxide
RAYCAL—Titanium Calcium Pigment
SURFEX—Surface-Treated Calcium Carbonate
DURITE—Pure Phenolic Resin
PEERLESS CLAY—Domestic China Clay

★ *Write for Samples*

RAYBAR—Titanium Barium Pigment
RAYSIL—Titanium Silicate Pigment
PYRAX—Ground Pyrophyllite
MULTIFEX—Colloidal Calcium Carbonate
THERMATOMIC BLACKS—Carbon Blacks of Low Oil Absorption

EACH PRODUCT IS OF THE HIGHEST QUALITY IN ITS CLASS

R. T. VANDERBILT CO., Inc. · 230 PARK AVE. · NEW YORK

Daily receipts at Southern points continued to run below expectations and in the opinion of some there is now little prospect of any increase of consequence in marketing as the season for diminishing production is approaching. Temperatures at some points last week were higher than in recent preceding periods, but operations in the woods usually slacken with the advance of the Fall season and this year is not expected to prove an exception to the general rule.

Business was reported as more active last week in both rosin and turpentine. Consumers and dealers were apparently disposed to adhere to a conservative policy so far as the placing of new orders was concerned but there was sufficient buying interest to absorb the bulk of the offerings. The movement into consuming channels on contracts previously placed was steady and indications were lacking of any change in the views of sellers as to the outlook for business during the remainder of the current year, the indications still being regarded as pointing to an increase in consumption in various fields and especially in the industries participating in the national defense program.

Turpentine.—Business in the local market continued along conservative lines, consumers still being disinclined to purchase to any material extent in advance of current needs. There were reports, however, of some increase in the request for small or moderate quantities. The prevailing tone was steady.

A meeting of wood naval stores producers and government officials was held at Washington October 2 to discuss a proposal to have producers participate in the conversation program for 1941 by fixing a marketing quota for each producer of wood naval stores. No definite agreement was reached at the meeting, and it is expected that there will be further conferences later on.

SAVANNAH, Oct. 4.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
*Saturday..	..	...	...	...	.....
Monday ...	25	11,200	165	61	14,820
Tuesday ...	24¾	7,950	173	28	14.965
Wenesday..	24¾	5,150	147	15	15.096
Thursday...	25	3,300	45	...	15,141
Friday.....	26	4,100	100	600	14,950

* No trading.

JACKSONVILLE, Oct. 2.—Turpentine stocks 25,525 barrels.

PENSACOLA, Sept. 28.—Turpentine stocks 10,626 barrels.

Chicago—Oct. 4

Turpentine is quiet. Five-drum lots, 37c. per gallon; five wood barrels, 42c.; single drums, 40c.; single barrels, 45c.

Rosin.—The local rosin situation continued to be featured by a firm tone, the trend of all grades being upward at times in company with the course of Southern markets where offerings were light or moderate. Business here lacked snap, but there were reports of a somewhat better request for moderate quantities for prompt shipment.

SAVANNAH, Oct. 4.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.35	$1.50	$1.50	$1.50	$1.50
D	...	1.45	1.55	1.55	1.55	1.55
E	...	1.61	1.63	1.66	1.54	1.54
F	...	1.61	1.63	1.66	1.54	1.56
G	...	1.60	1.61	1.59	1.54	1.56
H	...	1.57	1.63	1.59	1.54	1.56
I	...	1.57	1.61	1.59	1.54	1.56
K	...	1.57	1.61	1.59	1.54	1.58
M	...	1.58	1.61	1.64	1.64	1.60
N	...	1.71	1.72	1.75	1.75	1.76
WG ..	...	2.15	2.17	2.18	2.18	2.20
WW ..	...	2.52	2.55	2.55	.255	2.58
X	...	2.52	2.55	2.55	2.55	2.58

	Barrels				
Sales..... ...	158	258	183	139	110
Receipts. ...	886	883	943	349	1,176
Shipments ...	1,044	844	300	...	1,586
Stocks... ...	...	...	...	...	154,869

* No trading.

JACKSONVILLE, Oct. 2.—Rosin stocks 318,216 barrels.

PENSACOLA, Sept. 28.—Rosin stocks 50,157 barrels.

Chicago—Oct. 4

Rosin remains quiet. B grade, $2.60 per hundred pounds net in 5 to 19 drum lots; G grade, $2.82; M grade, $2.81; W.W. grade, $3.77.

Other Naval Stores

Pine Oil.—Steady movement into consuming channels on contracts and transient orders. Prices maintained.

Pitch.—Local tone firm. Spot stocks light. Fair demand for moderate quantities.

Rosin Oil.—Increased noted in request for moderate lots. Tone remains firm.

Tar.—Quotations maintained. Tone firm. Increased movement to local and other consumers.

Dry Colors

Alkali Blue.—Demand good. Price firm.

Bone Black.—Fair call. No prices changed.

Cadmium Colors.—Contract prices unchanged for last quarter. Inquiries more numerous.

Carbon Black.—Good call from rubber tire manufacturers. Shipments heavy. Prices firm and unchanged.

Carmine No. 40.—Movement satisfactory. Price steady.

Chrome Colors.—Pick-up in interest reported. No prices changed.

Iron Blues.—Business better. Shipments heavier. Prices unchanged.

Lamp Black.—Satisfactory movement of stocks. Firm.

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CUTS PAPER SHIPPING STENCILS
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LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
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CLEAN SOLUBLE NITRATE FILM SCRAP
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"Available in Flakes"

Important—
Be sure your pails have "Howed-In" Gaskets—
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A PIONEER PICCO PRODUCT
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ASBESTINE
Reg. U. S. Pat. Off.
FOR PAINT MANUFACTURERS
INTERNATIONAL PULP CO., 41 Park Row, New York

Mercuric Oxides.—Quiet and unchanged.

Ocher.—Shipments fairly large. Price unchanged.

Sienna. — Business beginning to pick-up slightly. All prices firm and unchanged.

Ultramarine Blue.—Good call for deliveries on contract. New business small. Prices firm.

Vermilion.—Market for quicksilver material still slack with purchases for immediate needs only. Price firm.

Bronze Powders

Call for contract shipments of aluminum powders and pastes was more insistent last week. There was also a pick-up in new business and in inquiries for the future.

Glues and Binders

Casein.—Continued light demand was reflected in the price of the domestic product last week and quotations were reported as still weak. The market for the imported material was quiet.

Glues.—A pick-up in demand gave further strength to the price structure, although no changes were made.

Putty.—All prices firm, with demand fair.

Lacquer Materials

Business in the market for lacquer materials and solvents remained steady last week. Shipments in the spot market and against contracts were generally moderate, however, and there was little disposition to order ahead. Operations in the automotive and other consuming lines continued at a good pace, with the outlook favorable. Export inquiries were only fair. Prices lacked any changes, and the tone was steady to firm.

Acetone.—Demand steady. Market position strong, and prices unchanged.

Butyl Acetate.—Moderate movement of secondary and normal. Prices unchanged and firm.

Butyl Propionate.—Routine interest. No change in the prices.

Cellulose Acetate.—Buying moderately active. Pricewise a steady to firm tone prevailed.

Dibutyl Phthalate.—Call steady. Nothing new developed in the prices.

Dichlorethyl Ether.—Spot and contract buying moderate. Prices failed to change.

Diethyl Phthalate. — Consumers made necessary replacement as a rule. Prices rule unchanged.

Ethyl Acetate.—Shipments moved against contracts steadily. No change occurred in the quotations.

Ethylenegylcol.—Good inquiry, with shipments steady. Prices remain the same.

Isopropyl Acetate.—Demand continued moderately active, and prices firm.

Triphenyl Phosphate.—Buying fair. No change was disclosed in the prices.

Shellac

Prices on shellac were reduced substantially last week. Refined bonedry was down to 29c. to 30c. per pound and ordinary bonedry was offered at 23c. to 24c. Superfine and T. N., shellac were easier and probably subject to a shading of currently quoted values. Reports of severe declines in Calcutta were in error. Some smaller shippers have made special prices at times but the leading spot agents of Calcutta shippers have not been forced to meet the occasional concessions. To be sure, the United States is the only free market left to the Calcutta shippers, but since the Bysacki crop was but 53 percent of that a year ago, accumulation of huge unsold stocks in Calcutta seem unlikely. What London stocks may be is a question; it is not unlikely that bombing of the London docks and warehouses has destroyed some reserves.

Trade Briefs

National Gypsum Company, Buffalo, N. Y., has purchased the Windsor Paper Mills, Inc., Newburgh, N. Y.

Catalin Corporation of America, this city, plans a plant expansion program by which output will be increased 25 percent.

Paint up campaign in Thomaston, Ga., resulted in 527 paint jobs, requiring an estimated 574 gallons of paint and varnish valued at $1,842.

Clinton Rock has joined Devoe & Raynolds Company's Western division. He will do special sales work in the company's master painter department.

L. H. Miller has been named head of the liquid plastics division of the Ferro Enamel Corporation, Cleveland. He was formerly with Pittsburgh Plate Glass Company.

American Trucking Association reported volume of revenue freight transported by motor truck during August was 4.6 percent higher than during July and 11.1 percent over August, 1939.

Chilean plastics manufacturers chiefly employ imported phenol-formaldehyde and urea-formaldehyde resins, a small quantity of polystyrene, and a very limited quantity of cellulose acetate as the raw materials for molding.

Roxalin Flexible Lacquer Company plant operating at Elizabeth, N. J., has been placed in charge of R. V. Kirk, secretary of the company. Robert Cowen, vice-president of the company, recently relinquished his post as production manager.

Walter Wolcott, manufacturer of "Wolcott's Pain Paint," a proprietary medicine first made by his father, the late Royal L. Wolcott, seventy-five years ago, died September 17 in New York after a short illness. He was seventy-five years old.

Flood & Conklin Manufacturing Company, paints, varnish and lacquers, Newark, has contracted for $67,000 of insurance with the Prudential Insurance Company of America for protection of its sixty-seven employees. The workers will pay part of the premium.

Glues employed in Australia especially in Western Australia are the so-called cold water or casein glue, and ordinary hot glue, the latter purchased from suppliers in the Eastern States of the Commonwealth, and the former, when not obtained from the Eastern States, being made up by the users themselves from components procured locally.

Pittsburgh Plate Glass Business Showing Gain Over 1939

H. S. Wherrett, president of the Pittsburgh Plate Glass Company, in a report to stockholders said business of company since beginning of current year had been moderately better than a year ago, but it was doubtful whether final months of 1940 would make as favorable comparison with 1939 because of abnormal activity experienced by most divisions a year ago. Nevertheless, the outlook was for a satisfactory volume of business this autumn, he said.

Paint, Varnish, Lacquer Sales Up

The value of paint, varnish, lacquer and fillers sold in August, as reported by 680 establishments to the Bureau of Census, was $36,441,511. Details of sales reported by these establishments and comparative data for 1939 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1940.						
January	$28,666,635	$13,549,867	$12,317,340	$8,369,445	$3,947,895	$2,799,428
February	26,537,573	13,042,764	11,146,277	7,584,649	3,561,628	2,348,532
March	31,592,693	16,144,606	12,639,821	8,681,802	3,958,019	2,807,666
April	37,656,398	20,188,957	13,849,723	9,851,848	3,997,875	3,617,718
May	43,463,222	24,943,148	14,150,310	10,146,311	4,003,999	4,369,464
June	37,897,861	21,718,413	12,582,231	9,052,581	3,529,650	3,597,217
July	35,553,580	19,573,840	12,732,233	9,611,083	3,121,150	3,247,507
August	36,441,511	19,302,935	13,651,210	9,703,492	3,947,718	3,487,366
Totals (8 mos.).	$277,808,873	$148,464,830	$103,069,145	$73,001,211	$30,067,934	$26,274,898
1939.						
January	$25,166,042	$12,496,706	$10,269,334	$6,942,879	$3,326,455	$2,400,002
February	25,399,464	13,145,314	10,019,901	6,777,622	3,242,279	2,234,249
March	32,888,357	17,656,905	12,112,220	8,278,015	3,834,205	3,119,142
April	33,999,205	18,862,040	11,843,829	8,581,577	3,262,252	3,293,336
May	41,853,977	25,436,932	12,578,360	9,239,538	3,318,822	3,838,685
June	38,504,857	22,341,180	12,585,957	9,328,873	3,257,084	3,577,720
July	30,758,617	17,215,946	10,713,443	7,982,902	2,730,541	2,829,228
August	34,448,530	19,046,555	12,153,308	8,842,098	3,311,210	3,248,667
Totals (8 mos.).	$263,019,049	$143,201,668	$92,276,352	$65,993,504	$26,282,848	$24,541,029
Totals (year)..	394,508,431	213,749,249	144,097,231	102,405,167	41,692,064	36,661,951

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Para Reds Iron Blues
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Water-white, always uniform. Aniline Point minus 12 degrees Centigrade. Kauri-Butanol, 80 plus. Federal Specifications LLL-T-792.

Three Better DIPENTENES

Specific Gravity at 15.5°C.	No. 100 .862	No. 200 .859	No. 300 .857
End Point	198°C.	192°C.	188°C.
Aniline Point	-21°C.	-15°C.	-12½°C.

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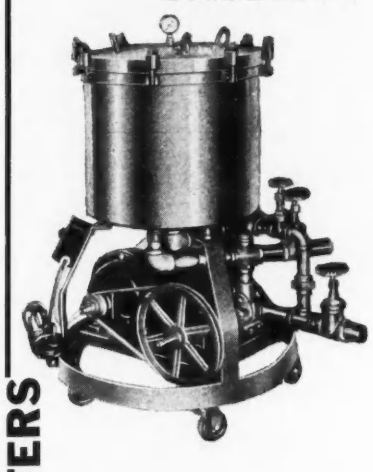

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Oils, Fats, and Waxes

Dehydrated Castor Oil Reduced — Narrow Changes in Refined Cottonseed Oil Futures—Olive Oil Up—Perilla Stronger on Decrease in Supplies—Trade Remains Quiet

Quiet conditions continued to prevail in the market for miscellaneous vegetable, animal and fish oils, fats and greases last week. The inquiry for certain imported vegetable oils was stimulated to some extent by political developments abroad but business in the general market continued along the same narrow lines noted in recent preceding weeks, few consumers being disposed to purchase in advance of immediate needs in view of the ruling uncertainty concerning the war and the matter of tax legislation and other domestic political affairs.

The lack of any decisive price movements in the markets for cottonseed oil and lard futures also had a tendency to keep purchasing of other oils and fats down to a minimum. The prevailing tone was steady, however, in the absence of any increase in offerings. Supplies of many domestic and imported products appeared to be small and there was sufficient demand to sustain prices, few changes being noted during the week. In the case of some vegetable oils of foreign origin the tendency of prices was upward owing to uncertainty concerning future supplies. A development of interest was a sharp decrease in stocks of lard in Chicago during the month of September. It was also pointed out that there is now a tendency to reduce estimates of the cotton crop and there was an impression in some quarters that the next monthly government report may indicate a smaller yield than was estimated a month earlier.

Vegetable Oils

Castor, Dehydrated.—Selling schedules lowered ½c. per pound. Market steady at reduction. Business fairly active.

Chinawood.—Buying interest stimulated by Far Eastern developments. Supplies and offerings remain light. Tone firmer. Prices up ½c. per lb. Arrivals last week 341 tons.

Coconut. — Crude offerings withdrawn by some sellers. Tone steadier. Refined unchanged. Trade quiet.

Corn.—Crude steadier. Offerings light. Fair inquiry. Refined fairly active.

Cottonseed.—Edible steady at recent price reduction. Trade fairly active.

Oiticica.—Inquiries received rather more numerously. Offering light, spot and future. Market firm.

Olive.—Primary developments reflected in stronger situation here. Spot offerings limited. Good inquiry. Nominal quotations higher.

Palm.—Offerings light, spot and arrival. Market steady. Quotations nominal.

Peanut. — Prevailing crude tone steady. Offerings and inquiry light. Fair request for refined.

Perilla.—Spot stocks light and diminishing. Quotations advanced ½c. Inquiry fairly active.

Rapeseed.—Refined stocks small and market steady. Somewhat better inquiry.

Soybean.—Quotations generally maintained at former levels. Trade more active, crude and refined.

Teaseed.—Stocks and offerings light and market firmer. Quotations advanced ½c., nominal.

There was no trading in soybean oil futures on the New York Produce Exchange from September 28 to October 4, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close
January	...	...	4.22@4.37
March	...	...	4.23@4.36
December	...	...	4.21@4.36

Markets at Other Centers

Chicago, Oct. 4.—A slightly firmer tendency is reported in various grades of vegetable oils. The market on the whole is quiet. Offerings are fair.

CORN.—Crude, low acid, 5¼c. to 5⅜c. per pound. Refined, edible oil, 7¾c. to 8¼c. per pound, drums, car lots; and 8¼c. to 8½c., drums, less than car lots.

COCONUT.—Crude, Pacific Coast, October-forward, 2¼c. to 2⅜c. per pound. Refined, edible oil, 7¼c. to 7¾c., per pound, drums, car lots; 8c. to 8¼c., drums, less than car lots.

PEANUT.—Crude, South, 5½c. to 5⅝. per pound.

SOYBEAN.—Crude, 3⅞c. to 4c. per pound.

Price Changes

Advanced

Beeswax, crude, African, 1½c. per lb.
Brazilian, 1½c. per lb.
Chinawood oil, ½c. per lb.
Japan wax, 2½c. per lb.
Olive oil, 5c. to 10c. per gal.
foots, ¼c. per lb.
Perilla oil, ½c. per lb.
Teaseed oil, ½c. per lb.

Reduced

Bayberry wax, 2c. per lb.
Castor oil, dehydrated, ½c. per lb.
Lard, 20c. to 30c. per 100 lbs.
Linseed meal, $1 per ton.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
95.3	**95.2**	**95.0**	**108.0**

Market news that may have developed after this report was sent to press will be found on page 4.

The market for soybeans on the Chicago Board of Trade was fairly active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Oct. 4.	Closing Sept. 27.
October	$0.75½	$0.72	$0.72	$0.74¾
December...	.76¾	.73⅝	.73⅝	.76

San Francisco, Oct. 2.—Anticipating further serious Oriental complications, chinawood oil buyers were covering future requirements in fairly substantial requirements last week, while the general position of vegetable oils remained steady. Oils are firm and are difficult to bid down and buying interest all the way through is perhaps better than it has been in some weeks. Purchasing is being done with more of an eye on future deliveries.

COCONUT.—Firm. Quoted 2⅜c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Sales effected during the week at 2 5/16c. Reports say crushers having difficulty in getting guaranteed shipments of copra and are using clause in coconut oil sales contract which calls for non-delivery of oil in case copra is not delivered. Copra sold at 1.40c.

CHINAWOOD. — getting increasingly scarce. Sales recently at 25c. per pound in tankcars, f.o.b. Pacific Coast ports. Prices now higher.

Oiticica.—Raw, liquid oil quoted 19c. per pound in drums, f.o.b. San Francisco. Tankcars quoted at 18c. Market steady.

COTTONSEED. — Domestic bleachable oil 6c. per pound in tankcars, f.o.b. northern California mills.

PERILLA.—Steady. Quoted at 16½c. per pound in tankcars, duty paid, f.o.b. San Francisco.

RAPESEED.—Japanese rapeseed oil, refined, denatured, quoted at 8c. per pound, in tankcars, duty paid, f.o.b. San Francisco.

Linseed Oil

Flaxseed prices were irregular. Linseed oil steady. Cake and meal easier.

Flaxseed—DULUTH, Oct. 4.—Receipts of flax have been lighter than expected, due to cooperation of country elevators in holding back as much flax as possible because of the large supplies of grain at terminals. Farmers continue to place quite a large percentage of the flaxseed shipped into the Duluth market into storage. Supplies of seed here decreased 514,000 bushels.

The week's closing price range was as follows:—

	Cash.	Dec.
Saturday	$1.42½	$1.45½
Monday	1.43	1.44¾
Tuesday	1.44½	1.46
Wednesday	1.42½	1.44½
Thursday	1.43½	1.45½
Friday	1.43	1.45

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	320,348	318,094	634,331	585,429
Since Aug. 1..	4,781,890	2,959,486	2,030,186	1,477,485

MINNEAPOLIS, Oct. 4.—There is a ready outlet for all but the poorest quality flaxseed. Crushers continue to take the bulk of the movement. There is some elevator competition for offers but with crushers getting their tracks cleaned up the quantity of desirable seed that goes to elevator operators is not apt to be important.

Duluth is buying a little more freely now and is taking a fairly large share of the best northern flax. That market is getting back into shape to handle supplies for shipment down the lakes. However, most of the northern seed is coming to this market due to the increasing competition of Argentine offers at our eastern seaboard.

Average quality of the movement is better now that northern flax is coming in more freely as compared with southern seed. There is very little badly damaged flax moving now. After the heavy rains and sprouting of shocks some of the farmers did not waste time threshing small parcels of acreage.

Shipping advices from the country are moderate and a smaller movement is anticipated. Apparently the congestion here and at Duluth is beyond peak and no further trouble is expected to develop in the terminal elevator situation. Some of the milling companies made private storage available by turning some of their houses into regular storage elevators.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

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(RED OIL)
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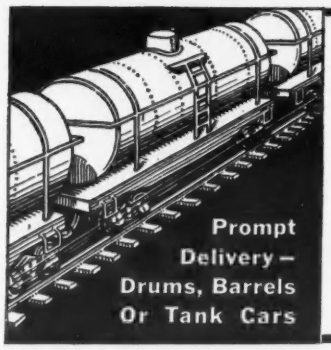
ESTABLISHED 1837 FACTORY, NEWARK, N. J.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE



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Glycerine - Pitch - White Oleine
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CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.44½	$1.44½	$1.48½
Monday	1.45	1.45	1.48¾
Tuesday	1.45½	1.45½	1.49
Wednesday	1.43½	1.43½	1.48
Thursday	1.45½	1.44½	1.48
Friday	1.45	1.44	1.48¼

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	—Shipments— 1940.	1939.
This week	460,200	224,000	46,200	154,000
Since Sept. 1	6,169,400	2,548,000	387,100	785,000

WINNIPEG, Oct. 4.—The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.17⅞	$1.17⅝	$1.18
Monday	1.18	1.17⅛	1.18½
Tuesday	1.18½	1.18½	1.17⅞
Wednesday	1.19½	1.18½	1.18½
Thursday	1.20	1.20	1.18½
Friday	1.18¾	1.18½	1.19½

BUENOS AIRES, Oct. 4.—Linseed, October, 66¾c. per bushel. Exports this week, 102,000 bushels, all to United States. Total exports since January 1:—

To—	Bushels— This year.	Last year.
United States	9,129,000	11,917,000
United Kingdom	5,896,000	2,220,000
Continent	11,856,000	20,336,000
Orders	606,000	8,058,000
Others	1,071,000	2,520,000
Totals	28,558,000	45,051,000

Visible Supply

	Bushels.
Last week	5,512,000
Previous week	5,118 000
Last year	2,756.000

Linseed Oil.—The local market had a fairly steady tone last week in the absence of any wide change in the flaxseed price situation. Quotations were generally held at the levels prevailing in the previous week, with tankcars at 7.7c. to 7.9c. per pound. Some business was reported to have been closed early in the week at slightly below list prices but later in the period sellers showed less disposition to shade. The volume of orders closed for the week, though not large, showed some increase over the previous period. There was a steady movement to consumers and dealers on contracts previously placed and reports of a liberal contract movement were received from outside points. Receipts of flaxseed in the Northwest were moderate. The indications seemed to point out lighter marketing in the near future as the country movement fell off. The quality of the arrivals in Northwestern markets was reported as good. Argentina shipped 102,000 bushels of flaxseed to this country last week. Arrivals here were 20,200 bushels.

MINNEAPOLIS, Oct. 4.—Linseed oil trade is steady and about as it should be at this season of the year but much smaller than it was a little earlier. Consumption is heavy and many buyers have come in the market with fill-in orders, having underestimated their requirements. Quite a little business is being done in tankcar lots and considerable in cooperage cars. Warehouse lots are moving quite briskly but buyers are not signing up for important round lots for deferred shipment. A few small round lots are being taken for shipment up to the end of the year. On the average the larger buyers are inclined to hold off to see what will develop in Argentina after funds from this country are received. If some of the money is used to peg grain prices buying of oil for delivery after the turn of the year is expected to increase promptly.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 7.5c. per pound; cooperage car lots, 8.1c. per pound; warehouse lots, 8.5c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	4,100,000	3,360,000
Since Sept. 1	19,800,000	17,040,000

SAN FRANCISCO, Oct. 2.—Linseed spasmodic and both tankcar and drum-car lot business has been only occasional during week. On the other hand, deliveries against old contracts are brisk. Quoted:—Tankcars, 7.6c.; drum car lots, ex-mill, 8.2c.; drum lots, ex-warehouse, 8.6c.

Cake and Meal.—Meal was more active, with $22.50 per ton quoted for October forward. Cake quiet and nominal.

MINNEAPOLIS, Oct. 4.—Demand for linseed meal far exceeds the expectations of crushers and most of the probable output for the balance of the year has been booked. Buyers are asking for offers to be shipped up to next April and crushers are very conservative sellers. Currently the undertone of the market is strong, due to the scarcity of offers for immediate or nearby delivery. Reselling is very limited and apparently there is no long interest in the market to make for technical weakness.

Quotations on carload lots, f.o.b. Minneapolis, 100 pound sacks, $24 to $25 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	10,000,000	5,480,000
Since Sept. 1	37,121,000	21,880,000

CHICAGO, Oct. 4.—Demand for linseed meal is reported holding up well, and the market is firm. Round lots, $24 per ton, mostly nominal; car lots, $24.50 to $25; less than car lots, $26.50 to $27.

Cottonseed Oil

Changes in refined oil futures were narrow. Trading quiet. Southern markets ruled steady.

Cottonseed Oil.—Trading in refined oil futures in the local market was quiet much of the time last week, many operators still being disinclined to add materially to their lines on either side of the market in view of the prevailing uncertainty as to political affairs abroad and at home and the lack of stimulating developments in the outside markets. The range between the high and the low prices of the week was again unusually small. On firm spots there was apparently some hedge selling. Trade interests were credited with purchases. Commission houses were on both sides of the market in a small way.

Southern markets for crude oil were generally steady. Offerings were still reported as light although the movement of seed to the mills was said to be increasing. Products which compete with cottonseed oil were generally steady or firm but the trend of lard was downward at times. Trade in cash refined cottonseed oil was reported as somewhat more active. Domestic trade in cash lard was on a fair scale. The export movement continued light, however, and clearances from Atlantic and Gulf ports for the season to September 28 were about 95,000,000 pounds smaller than in the same time last season.

Stocks of lard in Chicago decreased 12,727,508 pounds during September. This compared with a decrease in the same month last year of 31,157,228 pounds. Supplies in that market at the close of September were 168,725,585 pounds against 42,316,753 pounds a year ago. Changes in hog prices were moderate. The weight of the hogs received in Chicago during the week ended September 28 averaged 225 pounds, the same as in the previous week. Domestic and export trade in soybean oil showed some increase.

There was a tendency in some quarters to reduce estimates of the cotton crop. One published report pointed to a yield of 11,925,000 bales, or 655,000 bales less than indicated a month earlier. The weekly government report stated that in Texas cotton picking is nearly completed in the southern half of the state and about half done in the northern. In Western Oklahoma yields are rather disappointing. In the central sections harvesting was fairly active. In the Eastern belt conditions were mostly satisfactory with picking progressing favorably.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 28 to October 4, inclusive, consisted of 474 contracts, a total of 28,440,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
January	5.56	5.47	5.47@5.49
March	5.68	5.50	5.57 sale
May	5.76	5.65	5.65 sale
October	5.41	5.36	5.40 bid
December	5.55	5.44	5.45@5.46

Crude, Southeast, .04½c. Nom.

Chicago, Oct. 4.—Cottonseed oil irregular. Buyers are not expanding their takings largely, but orders are fair. Refined, edible oil is 7¾c. to 8¼c. per pound, drums, car lots; and 8¼c. to 8½c. per pound, drums, less than car lots.

Cake and Meal.—A steady or firm tone prevailed in Southern markets. Offerings continued to be reported as light. Fairly active inquiry for meal.

Markets at Other Centers

Atlanta, Oct. 2.—Cottonseed meal, 8 percent, $24.50 per ton. Operations at the mills are expanding and the existing shortage of meal is expected to be overcome soon. Prime crude oil 4½c. per pound. Weather excellent for harvesting cotton.

Memphis, Oct. 4.—Light sales of crude cottonseed oil at 4½c. per pound, Valley basis. Seed receipts still small but weather favorable and larger movements expected soon. Meal, 41 percent, $23 per ton, Memphis basis. Bulk slab cake sold at $21 per ton, Mississippi mills. Bulk hulls $5.50 per ton, mill points. Seed $22 per ton at gins. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Sept. 26.	Oct. 3.
October	$22.00@22.25	$22.25@22.60
December	21.40@21.50	21.30@——
January	21.25@21.40	21.25@——
March	21.35@——	21.25@——
May	21.25@21.45	21.15@21.30

Fatty Acids

Capric Acid.—Somewhat better request for moderate lots. Tone steady.

Caproic Acid.—Steady movement to local and other consumers. Quotations maintained.

Castor Oil.—Fairly active request from makers of cosmetics and shampoos. Tone steady.

Coconut Oil.—Quotations stationary in absence of any change in basic material. Business fair.

Cottonseed Oil.—Fairly active inquiry from makers of soaps and resins. Market steady.

Myristic Acid.—Prices maintained. Tone steady. Fair request from cosmetic and soap trades.

Red Oil.—Consumption in production of textile compounds and other products reported somewhat larger.

Soybean Oil.—Steady movement of moderate quantities to local and other consumers. Market tone steady.

Stearic Acid.—Contract movement steady. New business somewhat more active.

Chicago—Oct. 4

The fatty acids market is reported showing considerable stability, based on desire of buyers to keep themselves protected.

RED OIL.—Distilled or saponified, 6¼c. to 7¼c. per pound.

STEARIC ACID.——Distilled, single press, 8½c. to 9½c. per pound; double press, 9c. to 10c.; triple press, 11¾c. to 12¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., drums, car lots; 9¼c. to 9½c., drums, less than car lots; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar, mostly nominal; 9¾c. to 10c., drums, car lots; 10¼c. to 10½c., drums, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., drums, car lots; 8¼c. to 8½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅝c. to 2¾c.; boiled down soap stock, 65 percent basis, 3⅜c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Newfoundland market reported firmer. Stocks small here. Fair inquiry.

Menhaden.—Quotations on refined oil generally held at previous figures. Purchasing limited to comparatively small lots.

Sardine.—Tone steadier here but quotations generally unchanged. Buying conservative.

Sperm.—Fair demand for small or moderate lots for prompt shipment. Market steady.

Whale.—Refined oil selling schedules stationary Consumers purchasing for current needs only.

Markets at Other Centers

Baltimore, Oct. 2.—Reports of crude menhaden offerings at 19c. to 20c. per gallon. Buyers in this territory not bidding over 18c. Fishing in Chesapeake Bay and off the Virginia capes is poor. North Carolina operations not fairly started yet. Florida fishing at a standstill.

San Francisco, Oct. 2.—The sardine season which started August 1, passed

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

CROWN SARDINE OILS

Light Cold Pressed
Alkali Refined
Pale Blown
Pale Kettle Bodied
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High Iodine Value
Low Acid Number
Low Cold Test
Uniform Quality

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District Representatives

JAMES LOVATELLI & CO., 2 Broadway, New York City

Codes: Yoppa, Robinsons, Bentleys, A. B. C., 5th Edition, Peerless

into its third month here yesterday without a wheel being turned in the industry, save for the activity of one small plant situated on San Francisco Bay. Representatives of fishing boat crews argued it out with reduction plant operators over the question of whether the crews would get $11 per ton for raw fish—which they want—or whether they will get $10—the figure offered by the operators. Some 60 plants are affected, part of them not entitled yet to operate because they are situated in the closed fishing area in southern California, but all are affected by the dispute. Southern California's season opens November 1.

While no settlement was in sight, it was nevertheless hopefully anticipated that fishing would start after the full-moon period, now about a week away. Fishing cannot be done during the full moon.

Meantime, bids remained in the market on the basis of 25c. per gallon in tankcars, but only a few sellers could be found who would offer counter-bids of 26c. No business is taking place, it is reported, insofar as futures are concerned. However, one report had it that spot oil moved in the market last week at 33c. per gallon.

Fats and Greases

Grease.—Fair inquiry on spot. Stocks light. Tone steady.

CHICAGO, Oct. 4.—Choice white grease, 3⅝c. to 3¾c. per pound; yellow, 3⅛c. to 3¼c.

Lard.—Domestic cash trade fair. Export movement light. Price changes moderate. Chicago stocks decreased 12,727,500 pounds during September.

CHICAGO, Oct. 4.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Oct. 4.	Closing Sept. 27.
Cash	$4.70	$4.47	$4.50	$4.70
October	4.65	4.40	4.45	4.65
December	4.87	4.62	4.65	4.85

Stearin.—Tone firm. Stocks reported light here and outside points. Fair inquiry.

CHICAGO, Oct. 4.—Prime oleo stearin, 5½c. to 6c. per pound; lard, 5¾c. to 6c.

Tallow.—Fair request for small or moderate quantities. Offerings light. Market steady.

CHICAGO, Oct. 4.—Edible tallow, 4c. to 4¼c. per pound, tierces; inedible, 3⅝c. to 3¾c.; special, 3½c. to 3¼c.

There was no trading in tallow futures (old contracts) on the New York Produce Exchange from September 28 to October 4, inclusive. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
October	...	...	3.75 nom.
December	...	...	3.75 nom.

Animal Oils

Degras.—Quotations generally held at previous levels. Tone steady. Business fairly active.

Lard.—Market steady at advance previously noted. Purchasing continued along conservative lines.

CHICAGO, Oct. 4.—No. 1 lard oil 7¼c. to 7½c. per pound.

Neatsfoot.—Increased request noted for small or moderate lots. Market steady.

Oleo.—Supplies light on spot. Inquiry fairly active. Tone steady.

CHICAGO, Oct. 4.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Prices unchanged. Market tone steady. Trade quiet.

CHICAGO, Oct. 4.—Acidless tallow oil, 6¼c. to 6½c. per pound.

Waxes

Bayberry.—Easier and lower at 20c. to 21c. per pound.

Bees.—Stronger and higher. African, 26c. to 26½c. per pound; Brazilian, 27c. to 27½c. Refined yellow and bleached wax firmer. Moving well.

Candelilla.—Routine but steadier market at full prices.

Carnauba.—Brazil reverses recent trend. Shipment quotations up. Spot firmer with less shading. Stocks believed very small. Each arrival from source far smaller than normal.

Japan.—Sharply higher, spot and Japan Government apparently controlling offerings and prices. Local values up to 17½c. to 18c. per pound. Demand ran high throughout period.

Dr. Alexander Schwarcman, research director for Spencer Kellogg & Sons, Inc., Buffalo, discussed "The Magic of Science" at a luncheon meeting of the Kenmore Kiwanis Club, Kenmore, N. Y., October 3.

Margarin Production Decreased in August

Production of margarin in August totalled 21,663,786 pounds. This compared with 22,020,756 pounds in July and 21,608,453 pounds in August last year, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of August production with that of the same month last year follows:—

	Pounds August, 1940.	August, 1939.
Production of uncolored oleomargarin	*21,481,135	†21,408,284
Withdrawn taxpaid	22,476,917	21,192,548

Ingredients used in the production of colored and uncolored margarin in August, 1940, compared with August, 1939, as follows:—

In Uncolored Margarin

	Pounds August, 1940.	August, 1939.
Babassu oil	445,659	1,344,719
Beef fat	.....	19,700
Coconut oil	1,100,071	1,728,178
Corn oil	.....	21,886
Cottonseed oil	8,259,796	6,980,869
Derivative of glycerin	62,588	53,687
Lecithin	7,356	6,119
Milk	4,141,356	4,292,998
Neutral lard	309,039	123,051
Oleo oil	1,102,247	1,048,166
Oleo stearin	281,803	273,608
Oleo stock	95,684	58,053
Peanut oil	139,278	253,954
Salt	849,991	950,883
Soda benzoate	8,724	8,844
Soybean oil	5,467,838	5,537,605
Vitamin concentrate	901	1,214
Totals	22,272,331	22,703,534
Production of colored oleomargarin	‡182,651	§110,169
Withdrawn tax-paid	21,202	13,584

In Colored Margarin

Babassu oil	140	925
Butter flavor	3	.....
Coconut oil	80,360	34,497
Color	153	76
Cottonseed oil	15,482	5,317
Cottonseed stearin	840	120
Derivative of glycerin	458	247
Lecithin	77	51
Milk	37,758	21,970
Neutral lard	4,611	1,953
Oleo oil	19,407	11,614
Oleo stearin	954	1,050
Oleo stock	2,099	1,162
Peanut oil	35	37
Salt	7,942	6,564
Soda benzoate	51	36
Soybean oil	29,117	35,653
Vitamin concentrate	2	1
Totals	199,491	121,273

* Of the amount produced, 25,256 pounds were reworked.

† Of the amount produced, 28,047 pounds were reworked.

‡ Of the amount produced, 52 pounds were reworked.

§ Of the amount produced, 864 pounds were reworked.

Water Freight Control Delegated to D.of C.

OPD Washington Bureau
October 3, 1940

Congressional action has been completed on the Bland bill (H.R. 7357) regulating shipment of explosives and other dangerous articles by water, and the measure awaits approval by President Roosevelt.

The bill puts such regulation under the Department of Commerce, where it will be administered by the Bureau of Marine Inspection and Navigation. Previously this authority was divided: the Department of Commerce had in effect a few antiquated regulations, and the Interstate Commerce Commission issued some regulations applicable to water shipment.

The new bill provides that the Department of Commerce must adopt I.C.C. regulations on packaging and labeling in order that rail, motor, and water regulations will be uniform, but the department may issue additional regulations applicable only to water shipments, such as methods of stowage and carriage on passenger vessels.

It is probable that a regulation will be issued governing the transportation on passenger vessels of combustible liquids, having a flashpoint of more than 80° F., which commodities have never before been subject to any regulation.

Within 30 days of approval of the bill the Bureau of Marine Inspection and Navigation is expected to issue a tentative draft of regulations and set a date for a public hearing on them.

Lloyd Stegner Transferred

Lloyd E. Stegner, long manager of the Baltimore division of the Sherwin-Williams Company, paint manufacturer, Cleveland, has been transferred to Cincinnati. James D. Hedrick succeeds Mr. Stegner at Baltimore.

Chemists' Census Being Taken for U.S. Defense

The American Chemical Society will cooperate with the National Defense Research Committee in correlating and supporting scientific research on instruments and devices of warfare, it was announced by Thomas Midgley, vice-president of the Ethyl Gasoline Corporation, and chairman of the society's board of directors.

Prof. Roger Adams, head of the department of chemistry of the University of Illinois, has been appointed chairman of a group which will direct the society's activity in this sphere of national defense. Other members are:—

Dr. James B. Conant, president of Harvard University; Dr. E. R. Weidlein, director of the Mellon Institute for Industrial Research, Pittsburgh; Prof. T. L. Davis of the Massachusetts Institute of Technology; Dr. Robert E. Wilson, president of the Pan-American Petroleum Company, New York; Dr. Charles L. Parsons, secretary and general manager of the American Chemical Society, Washington; Prof. W. K. Lewis, of the Massachusetts Institute of Technology.

The National Defense Research Committee, it is explained, is applying, through numerous sources, the facilities of research to problems of the Army and Navy, working chiefly through university laboratories, but also in many cases with the direct aid of industry. The committee, the details of whose work are confidential, is cooperating closely with the National Academy of Sciences and the National Research Council, according to Vannevar Bush, chairman. Both of these organizations, like the American Chemical Society, operate under authority of an Act of Congress.

Dr. Gustavus J. Esselen, of Boston, has been appointed chairman of a committee to make plans for the election of inspectors, "if, as, and when the society might be called upon by the Government to assist in this important field of the procurement of supplies."

Other defense activities of the society include cooperation with the National Inventors Council in stimulating discovery and invention in the field of chemistry and chemical engineering. Dr. C. F. Kettering, vice-president and director of General Motors Corporation, is chairman of the council. A complete census of all chemists and chemical engineers in the United States recording in detail the specialized services which they are prepared to perform is being taken by the society. The information will be made available to the Federal government.

McClayton Named Head Of Baltimore Paint Club

William R. McClayton, W. B. Cassell Company, was elected president of the Baltimore Paint, Varnish and Lacquer Association at the first Fall meeting held at the Terra Maria Country Club. Other officers elected were:—Vice-president, James F. Whitscarver, of U. S. Industrial Chemicals, Inc.; secretary, Arthur L. Franklin, of the Pittsburgh Plate Glass Company; and treasurer, Alfred S. Day, of Spencer Kellogg & Sons, Inc.

Mineral Lease Cases Given Court Review

OPD Washington Bureau
October 1, 1940

The senate has passed a bill (S. 3943) giving jurisdiction to the Circuit Court of Appeals of the District of Columbia of all cases arising under the 1920 leasing act, which refers to placer mining claims for deposits of phosphate, sodium, potassium, oil, oil shale, or gas. At present the land office decides such cases, but since almost all of them involve the government, the Department of Interior has agreed it would be more just for a court to sit in judgment on these disputes.

A second bill (H. R. 8448) extending until December 31, 1941, permits issued under a 1920 act to promote the mining of coal, phosphate, oil, oil shale, gas, or sodium, was passed by the senate, which later recalled it and restored it to the calendar when it was announced that the President would not approve extension of these leases.

Obituaries

William M. Kerr

William M. Kerr, long affiliated with the Philadelphia office of the General Chemical Company, a subsidiary of the Allied Chemical & Dye Corporation, this city, died in Philadelphia, September 27, after a brief illness. He was eighty-two years old.

Mr. Kerr started in business with Morris, Wheeler & Co., and later became vice-president of the Moro Phillips Chemical Company. When this concern was taken over by the General Chemical Company, Mr. Kerr became associated with the Philadelphia office of the General Chemical Company.

Col. Henry H. Armstead, mining engineer, died October 3 of a cerebral hemorrhage in Vancouver, B. C. He was sixty-eight.

Louis Belmont, production foreman for the Cleveland Paint & Color Company, died September 23 in Cleveland. He was sixty-five.

Samuel S. Cochrane, co-founder and vice-president of the Owens Bottle Company until his retirement five years ago, died at Toledo September 23 after a stroke of paralysis. He was sixty-eight years of age.

M. Keith Dunham, a co-founder and chairman of the board of National Cylinder Gas Company, Chicago, died September 30. He retired as president of the company three years ago.

Horatio A. Ford, retired executive of the Atlas refinery of the Socony Vacuum Oil Company, died September 29 of a heart attack in his Buffalo home. Mr. Ford served as auditor, office manager and finally assistant superintendent of the refinery. He retired in 1936 because of illness.

George Good, formerly associated with the sales department of the Dow Chemical Company, Midland, Mich., died in his home in Temperance, Mich., September 27. He was fifty-nine years of age.

Henry C. Hackmeister, founder of Hackmeister, Inc., chemicals, Pittsburgh, died recently. He was seventy-six years of age. Surviving are his wife and two sons, Clarence F. and Harry A., both associated with the company.

Sir Robert A. Hadfield, world-famous metallurgist and recipient of the Bessemer Gold Medal of the Iron and Steel Institute in 1904, died in London, September 30. He was eighty-one years old.

Joseph H. Portugal, internationally known consulting mining engineer, died in Colon, Panama, September 10. He was fifty-six years of age.

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On this page are listed specifications and uses of Maleic Anhydride. We solicit your inquiries on this quality product or on any other Monsanto Intermediate. For further information, write: MONSANTO CHEMICAL COMPANY, St. Louis, U. S. A.

USES

Maleic Anhydride is an intermediate in the manufacture of some synthetic resins. It is usually combined with rosin or used directly as a modifier of alkyd resins.

SPECIFICATIONS

Molecular Weight	**$C_4H_2O_3$=98.02**
Appearance	**White crystalline mass**
Crystallizing Point	**52°C. minimum**
Solution in Water (4 grams in 10 c.c.)	**Clear**
Iron	**0.0005% Fe maximum**

MONSANTO CHEMICALS

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Drugs, Fine Chemicals

Japanese Menthol Scores Upturn—Cocoa Butter Up a Fraction — Higher Alcohol Schedule in Effect — Quicksilver Firmer — Castor Oil Reduced — Fair Demand

Price activity in drugs and fine chemicals last week included the scheduled up in ethyl and specially denatured alcohol, a rather sharp advance in Japanese menthol, a fractional rise in cocoa butter, and a further decline in castor oil quotations. Basic products continued to display firmness or strength. Quicksilver held firm and mercurials were very steady. Crude iodine was maintained at the late advance and iodides were firm. All tartar products were very strong and likely so to remain. Bismuth salts displayed conventional activity. Citric acid and citrate prices in effect were under a guarantee not to advance for at least one year.

Japanese menthol, spot and shipment, turned upward after a prolonged period of either inactivity or actual weakness due to competition. More local demand accompanied higher replacement costs.

The downward movement in quicksilver prices seemed definitely checked and market gossip was to the effect that a rise in prices was the most likely development in the nearby future. Mercurials were naturally on the firm side. After continuous decline, cocoa butter turned at a fractionally higher price that actual costs might be more accurately reflected. The castor oil drop came at a time when signs of strengthening had developed in the price on raw material.

Acetanilide. — Firm. Moving normally at full prices.

Acetone.—Routine market at unchanged prices.

Acetophenetidin. — Demand steady. Deliveries prompt.

Acid, Camphoric. — Light stocks. Very firm prices.

Acid, Citric.—Present quotations are guaranteed from an advance for one year.

Acid, Gallic.—N. F. prices firm. Demand normal.

Acid, Gluconic.—Low priced merchandise in plentiful supply.

Acid, Lactic.—U.S.P. merchandise in normal demand. Prices firm.

Acid, Mandelic.—Deliveries prompt from ample stocks.

Acid, Nicotinic. — Movement up to recent volume. Prices attractive.

Acid, Phosphoric.—Complete price stabilization in U.S.P. acid.

Acid, Tartaric. — Strong. Normal stocks of raw material do not exist. Production costs range high.

Alcohol.—Prices on specially denatured and ethyl alcohol up 1c. Tank schedule follows:—SD No. 1, 23½c. per gallon; SD 2B, 21½c.; SD 23G, 27½c.; special solvent, 24½c.; ethyl, $5.93½. All prices ex works in East. For full schedule, see Prices Current.

Ammonia Benzoate.—Firm and well stabilized. Steady consumption.

Ammonia Chloride.—Season of largest requirements near. Firm market.

Ammonia Citrate.—Current prices guaranteed not to adance over coming year.

Ammonia Hypophosphite. — Stabilized price and demand.

Antipyrene.—Gain in seasonal requirements finds market firm.

Bismuth Metal and Salts.—Bismuth citrate prices not to rise for one year. All salts moving normally.

Borax.—Activity gains moderately. Market definitely normal.

Cadmium.—Movement good. Need for metal likely to grow.

Caffeine.—Strong market assured for future. Producers caring for home requirements first.

Calcium Gluconate.—Trend to favor buyers. Any savings in production cost likely to be passed on.

Calcium Mandelate.—Consuming interest and need normal. Steady to firm prices.

Camphor.—Undertones strong. Demand good. Little competition.

Castor Oil.—Prices reduced 1c. For full schedule, see Prices Current. Coldpressed, U.S.P., tanks, 9½c. per pound; extracted No. 3, tanks, 9c.

Price Changes

Advanced

Alcohol, specially denatured, 1c. per gal.
ethyl, pure, tax paid, 1c. per gal.
Cocoa butter, ¼c. per lb.
Menthol, Japanese, 15c. per lb.

Reduced

Castor oil, 1c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
204.6	204.1	204.5	194.9

Market news that may have developed after this report was sent to press will be found on page 4.

CHICAGO, Oct. 2.—Castor oil 1c. lower. Prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted. No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅜c.

Cinchophen.—Business steady. Sellers cover well ahead. Prices firm.

Cocoa Butter.—Fractionally higher at 10.60c. to 10.75c. per pound according to producer.

Codeine.—Larger consumption to be promptly supplied. Firm market.

Codliver Oil.—Sellers hold fair stocks. Needs covered for present. Future uncertain. August imports were 65,871 gallons from Iceland; 3,024 gallons from United Kingdom; 3,400 gallons from Miquelon and St. Pierre Islands; 2,117 gallons from Newfoundland and Labrador. Total, 74,412 gallons.

Corn Syrup.—Demand steady. Prices maintained. Undertones firm.

Creosote.—Some gain in interest. Very firm market.

Ephedrine.—Inquiry and sales up slightly. Prices very low.

Formaldehyde. — Steady market. Consumption running to good figures.

Glycerin.—Steady market. Firm undertones. Excellent movement to normal consumers. Prices fully maintained.

CHICAGO.—Oct. 3.—Glycerin steady. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine.—Contracts taken out well. Stabilized price.

Hydrogen Peroxide.—Lower prices on 100 volume item. Schedule: 120 pound glass carboys, or 250 pound

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

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aluminum drums, one to three carboys or one drum, 18½c. per pound; four carboys or two drums (or more, up to 5,000 pounds), 16½c. per pound; 5,000 pounds or more (carboys or drums), 16c. per pound. Prices f.o.b.: Niagara Falls, N. Y., or warehouse, freight paid East of the Mississippi river or West Coast ports via Panama Canal.

Iodine and Iodides.—Reasonably active demand at very firm prices.

Iron Chloride.—Local suppliers report quiet demand.

Iron Sulphate.—U.S.P. crystals move well. Stable prices.

Magnesia.—Stabilized demand and prices. Outlook encouraging.

Menthol.—Japanese item higher at $3.55 to $3.65 per pound. Replacement stronger. Spot more active.

Mercurials.—Stable prices maintained. Raw material tends firmer.

Menthanol.—Absorption of production good. Full schedule obtained.

Methyl Acetone.—Fair trade in natural product. Supplying bulk of call.

Opium.—Firm. Price stable. Reserve stocks adequate.

Paraldehyde.—U.S.P. item in full demand on normal basis.

Phenobarbital. — Production moving promptly. Steady prices.

Potash Acetate.—Steady to firm. Activity ordinary.

Potash, Bicarbonate. — Domestic product finds favor. Favorable price maintained.

Quinine.—Demand steady. No unusual aspect to request. Very firm prices. No shortage likely. Ample provision made.

Quicksilver.—Holding steady. Demand quiet but fair. Tendency of prices to strengthen still noted.

SAN FRANCISCO, October 2.—Quicksilver buying moderate. Price $170 per flask. Small lots available on spot. Larger quantities for future delivery.

Rochelle Salt.—No signs of easing. Raw material controling factor.

Saccharin.—Demand routine about normal. Firm prices.

Salol.—Normal movement. Steady prices.

Santonin.—Not much call. Price steady.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	26⅞	34⅜	23 7/16
Monday	26⅞	34⅜	23 7/16
Tuesday	26⅞	34⅜	23 7/16
Wednesday	26⅞	34⅜	23 7/16
Thursday	26⅞	34⅜	23 7/16
Friday	26⅞	34⅜	23 7/16

Cincophen Retail Sale Restricted to Prescription

The Board of Regents of the University of the State of New York has approved an amendment to a rule of the Board of Pharmacy permitting the retail sale of cincophen and aminopyrine only on written prescription of a physician. The sale of hypodermic syringes and hypodermic needles was limited to registered pharmacies and drug stores and a record of each sale must be kept, according to another amended rule.

Drugs Donated to Britain

By donating 116,093 vitamin capsules, International Vitamin Corporation led all pharmaceutical manufacturing companies who have contributed medical supplies to the Medical & Surgical Supply Committee that is forwarding donations to Great Britain. Other contributors were:—Crookes Laboratories, Inc.; Hynson, Westcott & Dunning; Premo Pharmaceutical Laboratories; the Bayer Company; Bethlehem Laboratories, Inc.; Seeck & Kade, Inc.; Takamine Laboratory, Inc., and Popper & Klein, Inc.

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Standard formulas of vitamin capsules are available in either bulk or packages.

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PENICK'S New "Price List and Manual" of Botanical Crude Drugs—just off the press today—is well worth a careful reading by all users of botanicals. Alphabetically listed are almost 1,000 crude drugs and allied materials—their English and Latin names, the forms in which they are supplied (powdered, granular, whole, etc.), their most important uses, and prices. A great deal of other useful information is also included. You should have a copy in your office for ready reference. Have your secretary send the coupon off right now. No obligations, of course.

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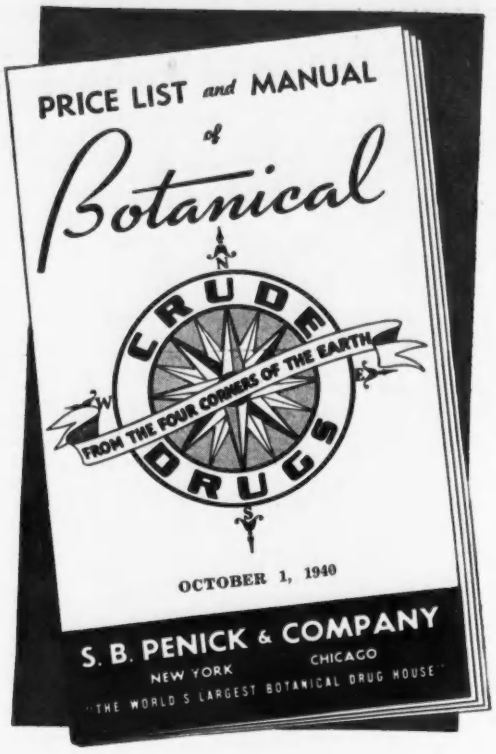

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

N.W.D.A. Urges Members To Study Retailers' Aids

—Continued from page 3

ful consideration of this service was asked in order that the advisability of further work might be evaluated intelligently and informatively.

Trends in the distribution of drug-trade commodities, especially in the direction of grocery outlets, got a deal of attention from several angles. There was some difference of views among manufacturers and market analysts addressing the convention on the practicability of certain aspects of selective distribution. It was made quite clear that the statistical view is that the retail druggist faces a necessity of readjusting downward his ideas of satisfactory profit margins. This view was not supported by wholesalers or even by the analytical manufacturers.

Ten Years Hence

Much interest and a deal of food for thought were provided in a symposium on "1950—Here We Come—Ready or Not." This feature was directed by John W. McPherrin, of Lord & Thomas, and presented the views of representatives of manufacturers and retailers.

Leo Nejelski, assistant general manager of the Pepsodent Company, foresaw real progress in an increasing, realistic recognition of social duties. He looked for a desirable democratic socialism which would accept the premise that man was a human being before he was a cog in the economic machine.

Mr. Nejelski's commentary and those of the others in the symposium will be printed in full in OPD next week.

Adam H. Fiske, general sales manager for Eli Lilly & Co., expected the future to bring a greater cooperation toward the better doing of the things through which men are brought to various relations.

Herman L. Brooks, president of Coty, Inc., went back a hundred years to start his picture of constant and largely unpredictable progress. He saw this continuing in the future with newer agencies helping to greater activity directed to better service.

J. P. Spang, jr., president of the Gillette Safety Razor Company, commented on the influence of war and expected some decentralizing of industry and a general closer knitting together of trade.

Harold B. Thomas, president of the Centaur Company, discussed new trends in respect of retail outlets, dwelling particularly on shifts in the distribution of toiletries. He presented some pertinent statistical data.

Joseph J. Shine, retail druggist, was of the opinion that desirable and satisfactory developments required that the wholesaler function as the general office of the "chain" of retailers comprising his customers. He maintained that it is far easier to buy than it is to sell, and concluded that the wholesaler should teach his retailers how to sell better.

Consumer cooperatives, socialized medicine, economic ideologies, and other relevant influences were considered in the question-and-answer part of the symposium.

New Officers

The convention unanimously elected the following new members of the official family for terms beginning this year:—

President, P. A. Hayes, of the Justice Drug Company, Greensboro, N. C.

Vice-presidents, Al B. Benson, of McKesson & Robbins, Buffalo; C. O. Mueller, of the Mooney-Mueller-Ward Company, Indianapolis; J. D. Crump, of McKesson & Robbins, Macon; J. W. Roberts, of the Henry B. Gilpin Company, Norfolk; and J. C. Anderson, of McKesson & Robbins, Seattle.

Members of board of control for 1940-43 term, W. R. James, of Towns & James, Inc., Brooklyn; F. M. Truett, of the Southwestern Drug Corporation, Dallas; and J. H. Parke, of McKesson & Robbins, San Francisco.

A comprehensive report of the N.W.D.A. convention, including full text of important reports and addresses, will be printed in OPD next week.

Colloidal Sales Company, has been incorporated in Los Angeles, with a capital of $25,000. Directors are:—Willard P. Funk, of El Monte, Calif.; M. T. Zeigler, of South Gate, Calif., and W. W. Gibbs, jr., of Los Angeles.

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MANUFACTURERS OF
USP LANOLINE
PHARMACEUTICAL
COSMETIC TECHNICAL

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NEW YORK CITY

Merck Formulates Plan Of Protection for Draftees

Merck & Co., manufacturing chemists, Rahway, N. J., has formulated plans for cooperation with the national defense program and for the protection and security of employees who are called under the selective training and service act of 1940.

Although it is included in the class of essential industries and thus has an important part to play in the defense program, the company states that it will not seek deferment of military service for employees, except in cases where they cannot readily be replaced. The announcement says further that employees called out under the selective service act will be given a week's pay if they have been employed continuously by the company for six months, two weeks' pay if for one year, and three weeks' pay if for two years or more.

Employees called out under the selective service act will be re-employed after receiving honorable discharge, if they are physically and mentally suitable for re-employment and provided the circumstances of the company have not so changed as to make such re-employment impossible or unreasonable. Seniority will not be forfeited, the announcement points out. The company will pay the employees as well as its own share of the premium for group insurance while the employee is in active service up to a period of fourteen months. Application for re-employment must be made in person within two months after release from active service.

Solvent Recovery With 'Columbia' Carbon Discussed

The Carbide and Carbon Chemicals Corporation recently published an illustrated booklet describing solvent recovery systems employing "Columbia" activated carbon. The work supplies general information about such systems and indicates where they can be profitably installed. Copies of the booklet may be obtained by addressing the Carbide and Carbon Chemicals Corporation, 30 East 42nd street, New York, mentioning the REPORTER.

Botanical Drugs, Spices, and Gums

Many Imported Botanicals Acutely Scarce — High Prices Spur Interest of Domestic Growers — Values Tend to Become Nominal—Few Firm Offerings

Signs of seasonal development of botanical drug demand were noted last week. Inquiries were numerous and a conservative gain in sales volume was probably achieved. However, larger manufacturing consumers seemed to be carrying fair warehouse stocks of their most needed items and hence the market lacked energetic demand for prompt deliveries.

Imported merchandise was strong, almost without exception. Stocks have dwindled to the vanishing point and numerous materials cannot be replaced even though cultivation be encouraged here by the high prices obtainable. Some items are likely to be grown fairly substantially; belladonna, for example. That there is more interest in the possibility of domestic cultivation of numerous items formerly supplied from Europe was evident from the numerous requests being received for general cultural directions, sources of seed supplies, probable domestic consumption, and the like.

The position of truly domestic merchandise changed very little. The prospect was for fair stocks at fairly reasonable prices just so long as a fair supply of labor remains available in the domestic collection areas. The conscription of young men into the army may change the supply of labor.

Balsams

Copaiba.—Quiet but steadier. No further price reduction.

Fir.—Moving moderately. Canadian steadier at late decline.

Peru.—Still subject to competition. No open price change.

Tolu.—Business light. Mainly jobbing.

Barks

Cascara.—Firm to steadier. Country prices hold.

Cinchona.—Quinine makers' needs protected well. Pharmaceutical bark in moderate supply.

Cocillana. — Considerable competition noted in slow market.

Cramp.—Stock of genuine cramp bark fair in country. Little call now.

White Pine.—Some sales increase of seasonal sort noted.

Beans

St. Ignatius.—Demand small. Stocks moderate. Prices firm.

Vanilla. — Strong market. Britian demands Madagascar government adhere to "Government of Free Frenchmen" located in London. Effect on bean production and shipments, if any, awaited. Little competition here.

Berries

Cubeb.—Quiet but steady. Fair demand.

Juniper. — Shrinking stocks make strong prices. No competition.

Flowers

Arnica.—About to disappear locally. Market nominal at 85c. per pound.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	662	2,689
Belladonna	69	305
Caraway	1,853	13,337
Cardamom (cases)	...	1,552
Celery	...	4,364
Coriander	2,889	17,262
Cumin	727	3,574
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	731	1,247
Henbane leaves (bales)	262	270
Mustard	2,800	5,677
Poppy	550	28,183
Sage leaves (bales)	...	249
Sesame	4,169	9,090
Stramonium	121	8,049
Thyme	...	2,730

Price Changes

Advanced

Asafetdia, 3c. per lb.
Belladonna leaves, 10c. per lb.
Chamomile flowers, Roman, 60c. per lb.
Caraway seed, Dutch, ½c. per lb.
Russian, 1c. per lb.
Coriander seed, 1c. per lb.
Cassia, Batavia, No. 1 regular, ½c. per lb.
broken, ½c. per lb.
Cassia buds, ½c. per lb.
Clove, ¼c. per lb.
Ginger root, African, ½c. per lb.
Paprika, Hungarian, medium, 1c. per lb.
Pimento, ½c. per lb.

Reduced

Ergot, 10c. per lb.
Marjoram, French, 1c. per lb.
Mustard seed, California brown, ¼c. per lb.
Papain, powdered, 5c. per lb.
Thyme leaves, Spanish, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
193.1	193.7	199.8	179.6

Market news that may have developed after this report was sent to press will be found on page 4.

Chamomile.—Roman flowers held in small lots. Bring around $2 per pound. Hungarian strongly placed.

Rose. — Some allege sales of red flowers at $5 per pound. Pale flowers neglected.

Sassflower.—Egyptian market virtually cut off. Local prices very firm.

Saffron.—Spanish flowers less easy. Some expect reversal of recent downward price trend.

Gums

Arabic.—Strong undertone. Stocks being husbanded. Sellers reserved. Fair demand.

Asafetida.—Lump higher at 38c. to 39c. per pound.

Benzoin. — Far Eastern situation watched closely. Danger of shipments being cut off. Local quotations stronger.

Camphor.—Selling well at full prices. Firm undertones. Domestic synthetic item running to excellent consumption.

Karaya.—Firmer at source. Transport charges tend upward. Fair local demand.

Herbs and Leaves

Belladonna.—At low supply at the high price of 95c. to $1 per pound. Market practically nominal. Domestic cultivation likely to gain next year.

Henbane.—Supplies very low. Almost to point of exhaustion.

—Continued on page 52

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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ANALYZED - STANDARDIZED
CRUDE DRUGS
"QUALITY is remembered long after price is forgotten"
The Earth Contributes AND J.L.HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
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912 East Third St. Los Angeles, Cal.
BRANCH OFFICES
389 St. Paul St., W. Montreal, Canada
206 State St. Boston, Mass.
383 Brannan St. San Francisco, Cal.
KARAYA (INDIAN GUM)
LOCUST BEAN
TRAGACANTH
ARABIC

Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

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. . . in Creams and Lotions

. . . in Shaving and Brushless Shave Creams, Tooth Paste and Powder

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—LATEX mixture
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—BOILER Compounds

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Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Parasiticides

Agents Used for Various Parasiticidal Purposes

(Continued from September 30 issue)

Dichlorodiacetone alcohol
Dichloroethylene
2:2-Dichlor-3-pentanone with alkali thiocyanates
6-(2:5-Dichlorophenylazo)-4-chlorometacresol
4-(2:5-Dichlorophenylazo)metacresol
4-(2:5-Dichlorophenylazo)-1-naphthol
4-(2:5-Dichlorophenylazo)orthocresol
Diethyl sulphite
Diethyl thiocyanomalonate
2:4-Dihydroxybenzimidophenyl sulphide-hydrochloride
2:4-Dihydroxybenzimidothiophenyl ether hydrochloride
2:4-Dihydroxy-bis-diphenyl sulphide
2:4-Dihydroxydiphenyl sulphide
1:8-Dihydroxynaphthalenesulphonic acid
2:6-Dihydroxynaphthalenesulphinic acid chloride
2:4-Diketone-tetrahydrothiazole
1:4-Dimethoxy-2:5-xylyl dithiocyanate
Dimethyl sulphate
Dimethyl sulphide
Dimethyl trithiocarbonate
Dimethyl-ammonium dithiocarbonate
1:3:5-Dinitrophenylbenzothiazole
2:4-Dinitrothiocyanobenzene
Dinitrotoluene
Dipentamethylenethiuram sulphide
Diphenyl disulphide
Diphenyl sulphoxide
Diphenylamine dithiocyanate
2:2-Diphenyldithiane
Diphenylene sulphide
Diphenylsulphone
2:2-Diphenyltetramethylene 1:3-disulphide
Dirhodanides
Dirhodanodiphenylamine
Dithiocarbamic acid derivatives
Dithiocyanates
Dithiocyanodiphenylamines
Dithioethyleneglycol bis-phenylether
Dithioglycollic acid reacted with arsenodiethyl
Dithio-oxalamide
Dithiophenylethane
Dithiophenylethylene
Ester of thiophosphoric acid and cresol
5-Ethoxy-1-aminozenzothiazole
5-Ethoxy-1-aminobenzothiazole hydrochloride
6-Ethoxy-2-aminobenzothiazole hydrochloride
Ethyl disulphide
Ethtyl sulphide
Ethyl sulphite
Ethylene dithiocyanate
Ethylene ester of xanthic acid
Ethylene oxide
Ethylene bisethylxanthogen
Ethyl-mercury phosphate
Ethylpropyl sulphide
Ethyltolyl sulphide
Ethyltriphenylphosphonium iodide
Ferric arsenate
Ferrous sulphate
Fish oil soap plus water emulsion of colloidal sulphur
Formaldehyde
Formates
Furfural
Gammathiocyanopropylphenyl ether
Gas lime
Gasoline
Guanidin-tetrathiocyanatodiamino-chromium
1-Halogenorylbenzothiazole
2-Halogenarylthiazoles
Hydrocyanic acid
Hydrocyanogen gas
Hydrocarbon and tung oil mixture
Hydrogen peroxide
Hydrogen sulphide
1-Hydroxybenzothiazole
Hydroxybenzothiazoles
4-Hydroxy-4-methyldichlor-2-pentanone with alkali thiocyanates
4-Hydroxyphenyl-3-hydroxy-1-naphthylsulphide
2-Hydroxy-3-phenylimino-1-propanesulphonic acid
3-Hydroxy-1-propanesulphonic acid
Iminodiethylenethiophenyl ether hydrochloride
2-Imino-4-ketotetrahydrothiazole
1-Imino-3-thiozolidone
2-Imino-4-thiazolidone
Inorganic poisons
Insect flowers
4 Iodo-2′-methyl-4′-nitroazobenzene
Iron aresnate
Iron (ic) arsenite
Iron ligninsulphonate-arsenate
Iron ligninsulphonate-arsenite
Iron ligninsulphonate-phosphate
Iron salt of phenylcyanamide
Iron sulphate, basic
Iron (ic) sulphide
Isothiocyanic acid allylester
Kalinex
Kerosene
Kerosene emulsions
3-Keto-1-thiocarbonyltetrahydrothiazole
4-Keto-2-thiothiazolidin
Lactic acid
Larkspur seed
Lauryl isoselenocyanate
Lauryl isothiocyanate
Lauryl selenocyanate
Lauryl tellurocyanate
Lauryl thiocyanate
Lead arsenate
Lead arsenite
Lead carbonate
Lead chromate
Lead salts of phenyl cyanamide
Lead sulphate
Lethane
Lime
Lime-sulphur mixtures
Magnesium arsenate
Magnesium arsenite
Magnesium chloride
Magnesium compounds
Magnesium oleate
Magnesium silicate
Magnesium sulphate
1-Mercaptobenzothiazole
Mercuric salicylate
Mercury chloride
Mercury compounds
Mercury salt of phenylcyanamide
Metachlorobenzal thiocyanate
Metacyanobenzal thiocyanate
Metaomegatetrathiocyanoxylene
Metallic salts of dithiocarbamic acid
1-Methoxy-3-chlor-4:6-xylyl dithiocyanate
1-Methoxy-2:4-xylyl dithiocyanate
Methyl sulphate
Methyl sulphide
Methyl thiocyanate
Methyl-ammonium dithiocarbonate
1-Methylthiol-4-chlor-2-rhodanmethylbenzene
1-Methylthiol-4-methyl-2-rhodanmethylbenzene
Methyltriphenylphosphonium chloride
Methyltriphenylphosphonium iodide
Methylviolettetrathiocyanatodiamino-chromium
Mineral oil emulsions
Monothiocyanates
Montanic acid esters of sulphonated compounds
Mustard oil
Naphthalene
Naphthalene 2:7-disulphochloride
Naphthalene 2:4-disulphochloride
1:5-Naphthalenedisulphinic acid
2:7-Naphthalenedisulphonyl chloride
2:6-Naphthathelenesulphinic acid
Naphthalic acid
Naphthol monosulphonate
1-Naphthol-3:6-disulphonic acid
1-Naphthol-3:6:8-trisulphonic acid
Naphthyl thiocyanate
Nicotine
Nicotine abietate
Nicotine chloride
Nicotine glycinintannate
Nicotine sulphate
Nicotine tannate
Nitrobenzyl thiocyanate
Nitrothiocyanic esters
Nobs
Normal acetylthiodiphenylamine
Normal methyldiphenylaminesulphone
Normal methylthiodiphenylamine
Octadecyl chloride
Octyl betathiocyanopropionate, secondary
Octyl isoselenocyanate
Octyl isotellurocyanate
Octyl isothiocyanate
Octyl selenocyanate
Octyl tellurocyanate
Octyl thiocyanate
Octyl thiocyanoacetate, secondary
Oleic acid
Omegabromoacetophenone reacted with alkali thiocyanates
Omegabromoacetophenonecarboxylic acid reacted with alkali thiocyanates
Omegabrom-3:4-dihydroxyacetophenone reacted with alkali thiocyanates
Omegabromoparachloroacetopheone reacted with alkali thiocyanates
Omegathiocyanoacetophenone
Organic sulphur compounds

(To be continued)

Botanical Drugs

Herbs and Leaves

—Continued from page 51

Marjoram.—French offered at 41c. to 43c. per pound. Almost nominal. Chilean selling at 18c.

Peppermint.—Domestic article must care for all needs. Very little German material still unsold.

Sage.—No offerings. Strictly nominal market.

Miscellaneous

Ergot.—Down to $1.65 to $1.75 per pound. Political developments abroad may bring sudden reversal of recent price trend.

Guarana.—Moderate supplies. Market firm. Routine request.

Kola Nuts.—No sign of shipments from West Indies being interfered with. Very steady market.

Roots

Belladonna.—Sellers reserved. Practically nominal market at 80c. to 85c. per pound. None offered firm thereat.

Golden Seal.—Demand poor. Sellers keen for business. Prices subject to shading.

Ipecac.—Firmer at recent decline. Stable demand.

Senega.—Lack of export tends to build conditions making for eventual easing of values.

Seeds

Caraway.—Advanced. Dutch, 28c. to 29c. per pound; Russian, 27½c. to 28½c.

Celery.—Firm. French likely to disappear. Fair stocks of India seed.

Coriander.—Higher at 6½c. to 7c. per pound. Replacements in danger. Fair spot stocks still.

Mustard.—California brown down to 16c. to 16½c. per pound. Imported goods not far from exhaustion point.

Sunflower.—Poultry grade higher at 5½c. to 6c. per pound.

Spices

Cassia.—Higher. No. 1 regular Batavia at 16½c. to 17c. per pound; shortstick, 13½c. to 14c.; broken, 12¼c. to 12¾c. Buds, 14c. to 14½c.

Clove.—Madagascar and Zanzibar fetch 16¼c. to 16¾c. per pound.

Ginger.—African firmer and a fraction higher at 6c. to 6½c. per pound.

Paprika.—Medium Hungarian up to 36½c. to 37c. per pound.

Pepper.—Steady. Demand routine. Grinders' stocks a fair protection of future requirements.

Trading in black pepper futures on the New York Produce Exchange from September 30 to October 4, inclusive, comprised 103 contracts, a total of 3,460,800 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	3.91	3.90	3.85@3.87
March	4.03	3.95	3.93@3.95
May	4.09	4.01	4.00 sale
July	4.11	4.07	4.04@4.07
September	4.20	4.17	4.10@4.15
October	3.83	3.76	3.77@3.83
December	3.92	3.85	3.83@3.85

ELIMINATE UNCERTAINTIES OF COST AND SUPPLY!
USE THESE FELTON PRODUCTS TO SOLVE YOUR ESSENTIAL OIL PROBLEMS!
• BERGANELLA
(Replaces Oil of Bergamot)
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CHEMICAL COMPANY, INC.
603 Johnson Ave., BROOKLYN, N. Y.
BRANCHES IN PRINCIPAL CITIES

Dutch Indies Pepper Crop Control by U.S. Interests Urged

Purchase of the present Netherlands Indies pepper crop is urged by I. B. Catz, president of the Catz American Company, this city, with a view to controlling world distribution of pepper later on. Mr. Catz is a Hollander by birth and has branches in the Netherlands Indies and Holland. He declared that importers should be prepared to handle as much as 40,000 tons within the next twelve months, a quantity that compares with the normal New York distribution of 15,000 tons. He advocates increasing New York stocks to over 50,000 tons, thereby creating reserves for the entire world.

Mr. Catz declares that New York city is the only free and open market for spices in the world. London, Rotterdam, and Amsterdam have been closed as distribution markets. Holland alone used to carry 1,200 tons of nutmegs and 300 tons of mace. Closing of these markets has caused New York to become the distributive center for the world and a tremendous increase in the volume and activity in spice trading here has already resulted.

Paul & Co. Leases Building For Factory Operations

Edward P. Paul & Co., manufacturer, importer, and exporter of chemicals, botanical drugs, and oils, has leased the nine-story building and basement building at 43-45 West Thirteenth street, this city, for a period of five years. The present showroom, office and sales will continue to occupy the premises at 1113 Broadway, but the Paul company will transfer the present factory, storage and shipping department at 33 West Twenty-sixth street to the newly rented quarters on Thirteenth street. Albert Arditti is president of the company which began business in 1898.

Motor fuel, claimed to be superior to gasoline in calorific value, is reported to have been developed at the coal liquefaction plant operated by the Mitsui interests in Miike, Japan.

Earl Talbot was fined after a plea of nolo contendere to charges of violating the fraud provisions of the Securities act in the sale of common stock of Dry Lake Oil Company.

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Essential Oils, Aromatic Chemicals

Anise and Cassia Rise as Replacement Problem Vexes—Shading on Eucalyptus, Hemlock, and Petitgrain—Peppermint Steady — Wormseed and Wormwood Hold

The market for essential oils and aromatic chemicals was, mainly, a solid and very steady affair throughout the past week. The strength of the situation flowed from the replacement position of practically all merchandise. Strength prevailed in goods of domestic manufacture as well as materials imported from the few primary markets still able to dispatch oils to the spot market. As to demand, it was maintained steadily and at a volume comparing favorably with that in recent weeks.

Basic prices on artificial mustard oil have not been changed for several months but in local circles some shading of prices quoted on five pound bottles was noted recently. Anise and cassia oils were noted for strength as the replacement situation continued to develop adversely for future replacements to this market. All French oils were strong. In fact, any oils originating in Europe certainly did not lack for strength, and stocks of the same were shrinking steadily.

Domestic oils assumed a firmer position following the recent easing of prices when new crop goods came on the market. Demand for such products showed very good volume.

Price Changes

Advanced

Anise, 8c. per lb.
Cassia, 5c. per lb.

Reduced

Cubeb, 25c. per lb.
Eucalyptus, 2c. per lb.
Hemlock, 5c. per lb.
Petitgrain, 5c. per lb.
Spruce, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
122.7	122.6	126.5	89.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Amber.—Quiet but steady. Firm undertone.

Amyris.—Limited stocks held at very firm prices.

Anise.—Higher at 85c. to 90c. per pound. Strength stems from replacement difficulties at source.

Bois de Rose. — Well stabilized prices. Routine demand. Replacement cost firm.

Birchtar.—Stocks conservative. Sellers reserved. Prices firm.

Camphor.—Steady to firm. Future of replacement shipments rendered uncertain by international situation.

Cananga.—Moving well in jobbing lots. Prices steady.

Capsicum (Oleoresin).—Fair quantities available. Production costs based on high prices of raw material.

Caraway.—Strong situation. Virtually nominal prices. Substitutes in steady demand.

Cassia.—China situation brings rise locally. Market $1.40 to $1.45 per pound and stronger.

Celery.—Undertones strong. Little competition. Production and replacement cost high.

Citronella.—Moderate demand. Coverage of needs routine. Quiet but steady prices.

Clove. — Prices slightly steadier. Competition less active. Tendency toward stabilized market.

Coriander. — Demand very fair. Stocks moderate. Replacement production hinges on future availability of raw material in primary markets.

Croton. — Demand jobbing. Prices steady.

Cubeb.—Easier and shaded to $3 per pound. Demand hand-to-mouth.

Dill.—Market holding active. Prices very steady.

Eucalyptus.—Prices slightly more favorable at 64c. to 68c. per pound for drums and 66c. to 68c. for cans. Prevail according to quality.

Geranium.—Fair request. Numerous jobbing orders hold prices firm.

Grapefruit.—Price stability undisturbed. Routine call.

Ginger. — Fairly competitive but open prices hold.

Hemlock.—Sales at 80c. to 85c. per pound. Stocks fair.

Juniper.—Some quarters offer nothing. Others can offer small lots only. Almost nominal market.

Juniper Tar.—More stability. Comes from Spain. Spain in war would end replacement arrivals.

Lavender.—Strong market tends toward nominal position. Prices subject to advances as stocks decrease.

Lemon.—Firm to strong market. California oil supplying domestic needs promptly and fully. Consumers cover well on contracts.

Lemongrass.—Competitive and generally easy.

Lime.—Distilled tending easier as competition gains.

Mustard.—Base price for artificial unchanged at $1.50 per pound; has ruled for some months. Some local shading of prices on 5-pound containers. Producers indicate stable market.

Nutmeg.—Steadier but still placed favorably for buyers.

Orange.—Leading producer holds firm prices on California item. Local dealers shade prices some. Price depends on brand bought. Routine market.

Pennyroyal.—Stocks of imported low. Not being readily replaced. Domestic production awaited.

Peppermint.—Signs of competition noted. Open quotations undisturbed. Market considered basically low. New production working into hands of strong holders.

Petitgrain.—Some shading on sales at $1.35 to $1.40 per pound.

Pineneedle. — Reserves moderate. Sellers reserved. No pressure to sell.

Rosemary.—Spain in war would check exports of new production. Market firmer. Situation acute at source.

Sage.—Shortage of sage leaves may raise demand for oil.

Sassafras.—Artificial in drums sold at 72c. per pound; cans, 75c. Natural oil ranged $1 to $1.25 as to seller.

Snakeroot.—Firm prices well stabilized. Routine call.

Spearmint.—Steady but not very active.

Spruce.—Sold at concession to 80c. per pound.

Sweet Birch.—Conventional demand. Price steady.

Wormseed.—Steadier as prices hold.

Wormwood. — Downward trend checked. Quiet call.

Aromatic Chemicals

Acetaldehyde.—Demand routine. Reserves adequate.

Acetophenone. — Perfumers' grade steady. Movement fair.

Amyl Phenylacetate.—Quiet market. Routine demand.

Amyl Salicylate.—Demand well maintained. Quotations steady.

Anethol.—Raw material turns stronger.

Anisic Aldehyde.—Firmer as raw material rises.

Benzaldehyde.—N. F. item steady. Technical holds at late decline.

Benzyl Acetate.—Demand steady but jobbing.

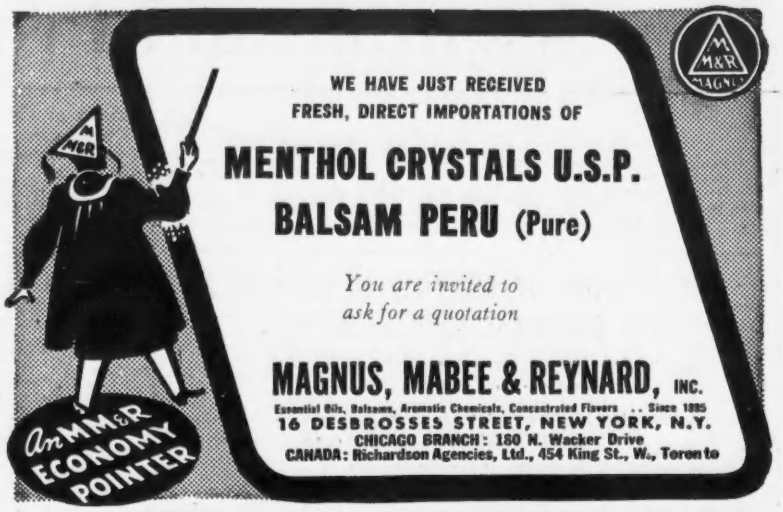
Benzyl Alcohol.—Consumption routine. Volume about normal.

Benzyl Benzoate.—Fair sales. Steady prices.

Benzyl Cinnamate.—Demand irregular. Values hold.

Benzyl Formate.—Sufficient offerings. Prices stable.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7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Benzyl Salicylate. — Undertone steady. Demand normal.

Benzylidenacetone.—Prompt deliveries at firm prices.

Bromstyrol.—Firm. Sales steady.

Carvol.—Few offer spot goods.

Cinnamic Alcohol. — Undertones stable. No price shading.

Cinnamic Aldehyde. — Thoroughly routine market. Very steady.

Citral.—No exceptional reserve supply. All needs met.

Citronellal. — Call conventional. Prices fully maintained.

Citronellol.—Small lot demand improved.

Citronellyl Acetate.—Moderate gain in inquiry and sales.

Citronellyl Butyrate. — Demand about normal.

Coumarin.—Firm and well stabilized market.

Diethyl Phthalate.—Less interest shown. Demand jobbing.

Dimethyl Hydroquinone. — Completely stable demand and prices.

Diphenyl Methane.—Call irregular. For prompt needs, mainly.

Diphenyl Oxide.—Firm, well stabilized market. No selling pressure.

Ethyl Aubepine.—Demand fair to better. Firm prices.

Ethyl Cinnamate.—Movement routine. Volume fair. Firm prices.

Ethyl Vanillin.—Ample stocks. Reasonable prices. Steady market.

Eucalyptol.—Slightly easier at 78c. per pound, inside.

Eugenol.—Steady to firm despite recent raw material trend.

Toilet preparations and perfume lines are desired by a visitor from Brazil, who is interested in perfume and toiletry lines was scheduled to arrive September 16 at the Port of New York, for a six months visit. Further details are available to duly accredited American firms from the Bureau of Foreign and Domestic Commerce, Washington.

Toilet Preparations Exports In August Tabulated

The value of United States exports of toilet preparations during August, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$131,026
Other dentifrices	13,795
Talcum powder in packages	34,512
Face and compact powder	37,752
Cold creams	9,830
Vanishing creams	6,857
Other creams, lotions and balms	26,107
Rouges	19,607
Lipsticks	57,206
Other cosmetics	13,976
Manicuring preparations	23,080
Depilatories and deodorants	5,972
Hair preparations	34,242
Perfumery and toilet waters	8,225
Other toilet preparations	24,631

Julius Weinstein, formerly purchasing agent and production manager for Prince Matchabelli, Inc., has been named assistant general manager of F. Reinitz & Co., maker of soap and toiletries, Long Island City.

Exporters to India Hear About Trade Prospects

The control of imports by India since the start of the European conflict have made it difficult of late to market merchandise in that country, declared Walter Schleiter, in addressing a luncheon-meeting of the Export Managers Club of New York in the Pennsylvania hotel, October 1. Mr. Schleiter, who is managing director of Muller Phibbs (India), Ltd., added, however, that exporters, getting their products into India at the present time were enjoying an excellent business.

It was also stated by Mr. Schleiter, who reviewed generally the current trade prospects in the Indian market, that purchasing power in that country had been stimulated of late by an active wartime demand for a variety of staple products originating there. No indications of any decline in the Indian market were evident, he said.

Petroleum Solvents, Lubricants, Fuels

Crude Scale Paraffin Continues Tight at Firm Prices—Solvents and Diluents in Good Call — Lubricants in Better Demand in Midcontinent—Heating Oils Active

Available supplies of crude scale paraffin continued very tight as further spot demand made an appearance in Eastern and Midcontinent markets during the period under review. Call for petrolatums and white mineral oils was somewhat more insistent but trade was still considered only fair. Solvents and diluents were moving well. Paint manufacturers were ordering supplies of petroleum thinners and v.m.&p. naphtha and rubber solvent was also in good call. Lighter fractions were fairly active.

In the Midcontinent and the Midwest, demand for lubricating oils broadened and the price structure was firmer. Pennsylvania bright stocks and neutrals, however, remained easy. Heating oils were active in all sections, with a heavy call for spot and future delivery. Light fuel oils were moving satisfactorily. Gasoline consumption tion was fairly good and one company is advancing the price in New York and New England today. Reductions were made in certain Midwest refineries, however.

Price Changes

Advanced

None

Reduced

Gasoline, midwest refineries, ⅛c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Good movement of stocks. Prices firm.

Cleaners' Naphtha.—Slight pick-up in sales. No price change.

Lacquer Diluent.—Lacquer-makers buying heavier. Firm.

Petroleum Thinners.—Better movement to paint manufacturers. All quotations unchanged and steady.

Rubber Solvent.—Heavy call from tire trade. Price firm.

Stoddard Solvent. — Buying less conservative. Firm.

V. M. & P. Naphtha.—Good call from paint trade. Shipments heavier. Price firm and unchanged.

Markets at Other Centers

Chicago—Oct. 3

Demand for solvents and diluents has continued good, with paint industry call reported especially active. Most individual orders are still limited.

AROMATIC NAPHTHAS.—Market movement good. Prices holding.

CLEANERS' NAPHTHA.—Orders fairly good. Market steady.

LACQUER DILUENT.—Buying good. Quotations holding.

PETROLEUM THINNERS.—Buying fair. Prices unchanged.

RUBBER SOLVENT.—Movement active. Market firm.

STODDARD SOLVENT.—Modest call. Unchanged prices.

V.M.&P. NAPHTHA.—Fair orders. No price change.

New Orleans—Oct. 3

Little interest continued to be evidenced in the market on cleaning solvent and V.M.P. naphtha, with prices remaining unchanged.

CLEANING SOLVENT.—Movement slow; price unchanged.

V.M.P. NAPHTHA.—Demand slow with no change in price.

Tulsa—Oct. 3

Efforts by buyers to line up naphthas for future delivery featured last week's market. Trading for spot was quiet. Quotations were unchanged.

CLEANERS' NAPHTHA.—Trading active and shipments higher. Prices unchanged.

STODDARD SOLVENT.—Fair volume of trading and prices unchanged.

LACQUER DILUENT.—Trading quiet, with prices easy.

V.M.P. NAPHTHA.—More trading and prices steady.

RUBBER SOLVENT.—Greater movement; prices firm.

Lighter Fractions

Butane.—Demand good. Price firm.

Heptane. — Moderate movement. Shipments regular. Price firm.

Hexane.—Ordering less conservative. Price unchanged.

Octanes.—New business small. Price steady.

Pentanes.—Little of new interest. Shipments routine. Price firm.

Propane.—Pick-up in inquiries reported. Shipments at good level. Price steady and unchanged.

Markets at Other Centers

Chicago—Oct. 3

Interest in light petroleum fractions has been holding well, and is being expressed in fairly good orders for material. Market values are unchanged, with the buying trade indicating considerable interest.

BUTANE.—Orders good. Firm price.

HEPTANE.—Movement moderate. Market unchanged.

HEXANE. — Orders routine. Prices holding.

OCTANES.—Buying normal. Quotations held

PENTANES.—Business quiet, prices steady.

PROPANE.—Offerings moderate. Prices firm.

Petrolatums and Waxes

Paraffin.—Demand good. Supplies tight. Prices firm.

Petrolatums.—Slight pick-up in inquiries. Prices firmer.

White Mineral Oils.—Business fair. All prices unchanged.

Markets at Other Centers

Chicago—Oct. 3

A divergent situation is reported in these materials, with paraffin firm and fairly active, while petrolatums and white mineral oils are just about holding their own, and are a little easy.

PARAFFIN. — Orders brisk. Prices stiff.

PETROLATUMS.—Fair demand. Market rather sluggish.

WHITE MINERAL OILS. — Buying moderate. Prices unchanged.

Tulsa—Oct. 3

The paraffin market continues quiet as export business has been practically shut off. Domestic inquiries are only of routine character and quotations continue steady.

Fuels and Lubricants

Gasoline.—Socony Vacuum Oil Company will advance tankcar and tankwagon prices from 1/10c. to 2/10c. per gallon throughout New York and New England, effective today.

Kerosene.—Tone firmer, with pick-up in demand reported.

Fuel and Gas Oils.—Bunker C fuel oil steady and unchanged. Light fuel oil moving well at firm prices. Heating oils in heavy demand for spot and future delivery.

Lubricating Oils. — Pennsylvania bright stocks and neutrals still weak, with demand slack. Reduction in cylinder oils two weeks ago failed to attract any new business in large volume.

Markets at Other Centers

Chicago—Oct. 3

Fuels and lubricants are yielding to normal seasonal considerations, with gasoline easy and unsettled by slacking demand. Fuel oils are opening up and meeting with good call. Furnace oil business is rapidly improving. Lubricants remain irregular and uncertain.

GASOLINE.—Market much unsettled. Prices easier.

FUEL AND GAS OIL.—Demand active. Prices strong.

FURNACE OIL.—Movement brisk. Price structure hardening.

The State of the Petroleum Market

Gasoline price changes last week failed to influence these figures. Crude oil prices were steady.

	Oct. 4	Sept. 27	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.1520	$1.1520	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0517020	.0517020	.052625

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Sept. 28	1939 Jan. 1-Sept. 28
Commercial crude oil production.....	977,352,994	905,021,945
	Week ended Sept. 28, 1940	Week ended Sept. 30, 1939
Daily average production.....	3,789,749	3,678,055
Bureau of Mines estimate.....	3,624,300	3,510,700
	Week ended Sept. 28, 1940	Week ended Sept. 21, 1940
Estimated motor fuel stocks.....	82,373,000	82,960,000
Estimated finished motor fuel stocks.....	76,205,000	76,682,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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LUBRICATING OIL.—Tone irregular. Market about steady.

New Orleans—Oct. 3

Continued quiet was reflected in the domestic market on gasoline during the week. The kerosene market remained inactive. Little interest was evidenced in Bunker C fuel oil, which continued fair.

GASOLINE.—Demand routine; no price changes.

KEROSENE.—Market sluggish; unchanged price.

BUNKER C FUEL OIL.—Demand routine; price unchanged.

Tulsa—Oct. 3

Favorable weather conditions have created the largest movement of gasoline ever experienced at this time of the year in the Central West. Low temperatures in the northern states are causing an early consumption of domestic heating oils. A heavy demand for tractor fuels also featured trading this week.

GASOLINE.—Volume high, with prices steady.

NATURAL GASOLINE.—Shipments large, with quotations very strong in group three.

KEROSENE.—Fair demand and quotations unchanged.

FURNACE OILS.—Heavy demand and prices strong.

FUEL AND GAS OILS.—Heavier movement and quotations strong.

LUBRICANTS.—Increased demand with quotations unchanged.

Oil Chemists' Review Research Developments

—Continued from page 3

conditions, he explained. Unlimited quantities, he said, of synthetic products for perfumery and for flavoring uses now are available, however.

While the present emergency is responsible for intensifying the interest in developing scientific essential oils, Mr. Young said that it is a mistake to regard them simply as products not fully up to standard and to be used only in the absence of their natural prototypes. They often do a much better job than the latter, and should be considered at all times and not merely in the emergency, he concluded.

A feature of the meeting was an hour and three-quarter colored motion picture presentation and lecture by Ernest S. Guenther, of Fritzsche Bros., Inc., New York, on essential oil production in South and Central America. The picture was taken by the speaker.

Richard L. Davies and J. Stanley Hall, both of the Pennsylvania Salt Company, Philadelphia, in a paper on "Behavior of Subsilicates with Soap," outlined the use of sodium subsilicate (high ratio Na_2O silicates) as an alkaline builder in commercial laundry practice. The high percentage of alkalinity in the optimum p.H. range was demonstrated.

In a paper on "Mechanism of the Oxidation of Fats," H. A. Matill, of the State University of Iowa, Iowa City, Ia., stated that no all-inclusive theory of autoxidation can yet be formulated. Once the induction period is past, he contended that events seem to follow thick and fast in great confusion, but like the devastating speed and disorder displayed in modern blitzkrieg, everything nevertheless goes according to plan.

Antioxidants of Fats

H. S. Olcott, of the Mellon Institute of Research, Pittsburgh, Pa., in a paper on "antioxidants of fats," reviewed antioxidants commonly used in preserving stability of fats and oils, from lecithin, extracted from soybean oil, to mineral acids, to vitamins themselves.

J. E. Meyers, J. P. Kass and G. O. Burr of University of Minnesota, St. Paul, Minn., in a paper on "Comparative Rates of Oxidation of Isomeric Linolenic Acids and Their Esters," stated it is found that geometric configuration was shown to have definite influence on oxidation rates, on otherwise identical fatty compounds.

G. T. Carlin, of Swift & Co., Chicago, in a paper on "Development of Rancidity in Bakery Products," discussed various specific commercial products, such as the potato chip. He discussed the influence of the original fat, the original potato stock used, equipment used to fry the potatoes, as well as the rate of turnover of the fat. He stated that it was possible to remove rancid bakery products from their containers, heat them and keep them for months without a return of the rancidity, once it has been thus removed.

Oxidation of Drying Oils.

In a paper on the "Role of Oxidation in Drying Oils," G. W. Priest and J. D. von Mikusch, of the Woburn Degreasing Company, Harrison, N. J., stated that while in the past most drying oils have been natural products although usually refined or heat-treated, the present tendency is toward synthetics and tailor-made oils not found to certain composition by nature and they may be made to have whatever composition is required to give them the properties desired in the final paint and varnish film. Various manufactured drying oils now are on the market and the future may bring new developments in this direction.

Mayne R. Coe, of the food research division of the United States Department of Agriculture, Washington, presented a paper on "Factors Which Increase Rate of Oxidation of Fats and Oils." He covered the effect of light. Ultra-violet, violet and blue ranges, it was stated, promote rancidity the most, and regions at about 5,400 and above 7,400 angstrom, promote rencidity the least.

Dyes from Oleic Acid

David Swern, A. J. Stirton and P. H. Groggins, with the Bureau of Agricultural Chemistry and Engineering of the Department of Agriculture, discussed "Azo Dyes from Oleic Acid." They dealt with methods of preparing azo dyes. The work has not yet led to products susceptible to industrial exploitation, but has shown that a fatty acid may be caused to acquire characteristics of an aromatic compound.

A. W. Weitkamp and L. C. Brunstrum, of the Standard Oil Company of Indiana, in a paper on "Application of Stedman Packing to Fatty Acid Ester Fractionation," described an efficient laboratory fractionating set-up for analysis of fatty acids and fatty materials by fractional distillation.

A rapid method for determining oil in tung fruit was outlined by R. G. Rose and R. S. McKinney, carbohydrate research division of the Department of Agriculture, Gainesville, Fla. They presented a more rapid method for determining oil in tung fruit and also possibly in other seeds, with analytical data to demonstrate the accuracy of the new method.

Acheson Colloids Reorganized

The Acheson Colloids Corporation has been reorganized and newly incorporated in Michigan, with offices at Port Huron. Howard A. Acheson, who has been president and a director of the company since 1929, has acquired sole control of the new concern from the Acheson Corporation, Jersey City. Mr. Acheson will continue as president.

Other officers are:—Chairman of the board, Mrs. Margaret M. Acheson, widow of E. G. Acheson, inventor of colloidal graphite; vice-president and treasurer, George R. Siegrist; vice-president, John P. Deringer; secretary, John C. Sprague, and assistant treasurer and secretary, Lester H. Miller. The company's technical laboratories at Newark will remain under the direction of Raymond Szymanowitz.

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Fertilizer Materials

Bagged Chilean Soda Nitrate Schedule Revised to Meet Domestic Price — Quotations on Both Products Advanced — Organics Market Quiet and Firm—Cottonseed Meal Advanced

Marketers of Chilean nitrate of soda last week revised bag price schedules to meet the competition offered by suppliers of the domestic product. On August 24 the importers announced that the bag price would be advanced 50 cents per ton, effective October 1. Last week the bag price of the domestic product for October forward was advanced 40 cents per ton. Importers immediately revised schedules downward to meet the competition. Meanwhile, nitrate was moving into consumption at a heavy rate and contracting for future delivery was proceeding briskly.

The market for organic ammoniates was generally quiet in all sections during the period under review. On the whole, prices were well maintained, an advance in cottonseed meal being the sole revision. Sulphate of ammonia was tight. Deliveries of potash materials on contract were at a good level but small buyers were encountering difficulty in obtaining prompt shipment on purchases of material to replenish stocks. Dried menhaden futures were unchanged. There were no offerings of Japanese sardine meal reported and the market was strictly nominal. Sulphur was moving well with a good export call noted.

Nitrogenates

Ammonia Phosphate.—Tight and unchanged.

Anhydrous Ammonia.—Conservative ordering. Price firm.

Calcium Nitrate.—Sales limited. Price unchanged.

Castor Pomace.—Domestic firm. Imported nominal. Buying light.

Cyanamid.—Tight. Price firm.

Dried Blood.—Quiet. All prices firm.

Fish Scrap.—Dried menhaden futures still quoted at $3.15 and 10c. Reported that acid scrap has been sold on contract at $2.50 and 50c., f.o.b. South Atlantic ports. Japanese sardine meal nominal.

Manganese Sulphate.—Routine and unchanged.

Nitrate of Soda.—Bagged material available at $28.70 per ton for 200-pound bags and $20.40 for 100-pound bags, an advance of 40c. per ton. Bulk material unchanged at $27 per ton.

Nitrogen Solution.—Fair call on contract. Price steady.

Nitrogenous Material.—Quiet and unchanged.

Sulphate of Ammonia.—Tight. Price firm.

Tankage.—All prices steady and unchanged. Interest fair.

Urea.—Routine deliveries. Prices firm.

Potashes

Tone of the market was still considered tight, with contract call resulting in heavy shipments. New business was light. Prospective buyers encountering difficulty in obtaining supplies. Prices firm and unchanged.

Phosphates

Bone Materials.—Quiet. All prices firm.

Phosphate Rock.—Fair call for contract supplies. Prices firm and unchanged.

Superphosphate. — New business slack. Shipments on contracts fairly large. Prices firm and unchanged.

Sulphur and Pyrites

Domestic shipments of crude sulphur were somewhat lower last week but a good export movement was reported. Prices were steady and unchanged. Spanish pyrites market was nominal.

Markets at Other Centers

Atlanta—October 2

Some small interest is being shown in fertilizer materials. Organic ammoniates are reported inactive though there are inquiries. Cottonseed is a little tight, with prospects of loosening up as oil mills turn out this season's crop.

SUPERPHOSPHATE.—Nominal at 55c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, $27 per ton, ports.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $24.50; scarce.

BLOOD.—South American, $2.50 per unit, ports; $2.65, basis Chicago.

TANKAGE.—$2.65 and 10c., Chicago.

Baltimore—October 2

The market for crude fertilizer materials moved along routine lines during the week with the call for mixtures late and with the demand for crude held back accordingly.

FISH SCRAP.—No further sales of scrap were reported, with last transactions negotiated at $3.15 and 10c. per unit-ton at factory.

SUPERPHOSPHATE. — Inquiry is still very narrow, and figures remained at $8 per ton for 16 percent stocks, and $8.50 for 16 percent flat.

TANKAGE.—Quiet, with trading slow. Unchanged at $2.50 and 10c. per unit-ton, f.o.b. New York.

DRIED BLOOD.—Quiet and unchanged at $2.40 per unit-ton.

BONE.—Demand improved. Offerings light.

Chicago—October 2

An easy tone has been reported in the fertilizer materials market, and buying if of a restricted nature. Organics have been marking time, with no special interest shown. Blood is in fair call. Tankage movement is along moderate lines. Bone materials are moving in limited lots, with most purchasers keeping on a hand-to-mouth basis.

BLOOD.—Principal grade, $2.65 per unit.

TANKAGE.—High-grade, feeding, $2.65 and 10c.; hoof-meal, $2 to $2.50; liquid stick, $1.50 to $1.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $28; 3 and 50 percent, $30; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; pork cracklings, soft pressed, $35 to $40; beef cracklings, soft pressed, $32.50 to $35; hard pressed cracklings, per unit of protein, 57½c. to 62½c.

San Francisco—October 2

While there is evidence of considerable firmness in the crude fertilizer materials market, the volume of trade is actually small. Nitrate of soda's new price raise, amounting to 40c. per ton on bagged material went into effect yesterday. Organics are steady to stronger and are not plentiful. Ruling prices are:—

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags, delivered inland points.

—Continued on page 58

Price Changes

Advanced

Cottonseed meal, 8%, $1 per ton, Southeast mills.
Soda, nitrate, crude, bags, 40c. per ton

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.3	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Fertilizer Conferences Set

State officials concerned with the distribution and use of fertilizers in the respective commonwealths have scheduled conferences with representatives of the fertilizer industry as follows:—

Arkansas, October 15 and 16 in Fayetteville.

Mississippi, October 18 in Biloxi.

New Jersey, October 24, in New Brunswick.

New York, October 25 in Ithaca.

Potash Residue Rate Set

The Interstate Commerce Commission has granted relief from the long-and-short haul provision of the interstate commerce act to railroad transportation of beet residuum potash minimum 80,000 pounds, from Johnstown, Colo., to Southern territory.

FERTILIZER MATERIALS
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Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

A.P.I. Dissolution Sought By U.S. in Antitrust Case

—*Continued from page 5*

basis. Thereby the defendants gain control at the well of the crude oil produced by such independent producers.

That the defendants have agreed to adopt and file with the Interstate Commerce Commission tariffs, rules, and regulations covering the interstate transportation of crude oil, gasoline, and petroleum products which require shippers to tender unreasonably large quantities (commonly called "minimum tenders"), to maintain uniform noncompetitive, onerous, and oppressive rates, and to fail to provide shippers with the ordinary common carrier terminal facilities. These tariff requirements are put into effect for the purpose of reserving such pipelines as private carriers for the defendants who are themselves large shippers.

Pipeline Use Restricted

The result is that independent producers and refiners are precluded from using the crude oil trunk pipelines on a common carrier basis, and from locating their refineries at advantageous points along such pipelines or at their terminals in large consuming areas; and also to preclude independent refiners and distributors from using gasoline pipelines on a common carrier basis.

That defendants have conspired to charge excessive rates for the use of crude oil and gasoline pipelines and to receive back as refunds and rebates on the rates charged to themselves a substantial part of the revenue from pipeline operations.

That defendants have conspired to cause railroads to establish and maintain rates favorable to them and unfavorable to independent refiners.

That defendants jointly and individually have acquired a dominant control over tankers, barges, tankcars, and other transportation facilities, and have conspired to maintain excessive rates for the use of such facilities, thereby preventing their use by independent competitors.

Petroleum Distribution

That defendants have conspired to distribute their petroleum products only through facilities operated by persons or companies whose buying, selling, and operating policies defendants can control, and they have thus obtained control over practically all of the thousands of bulk plants located throughout the United States through which petroleum products pass from refineries to service stations. Various illegal practices are alleged in connection with the acquisition of these bulk plants.

That defendants have conspired to distribute their products only through service stations whose policies they can control. Such control is acquired through ownership, leases, sub-leases, exclusive dealer contracts, granting of differentials in price to exclusive operator-purchasers while denying them to competing non-exclusive operator-purchasers, granting nationwide credit card service to exclusive operators, offering inducements such as loans of money and guaranteed margins, loaning of equipment, and threats of ruinous competition, for the purpose of monopolizing service station outlets.

That defendants have conspired to put into effect a plan whereby through ownership or lease of service stations they compel operators to handle exclusively the defendant-lessor's brand of petroleum products.

That defendants discriminate in the prices of petroleum products in favor of the service stations which they own or control and against the independently owned and controlled service stations.

That defendants have agreed upon a price fixing program covering the sales prices for petroleum products, marketing and price policies, methods and practices for fixing prices and "stabilizing" price structures, for lowering prices wherever they wish to eliminate independent competitors and raising prices wherever the competition of independent competitors has been eliminated. It is alleged that these agreeents are reached at frequent meetings held under the auspices of the Institute. Various details of the alleged price fixing plant are set out in the complaint.

Price-Fixing Charged

That defendants have agreed upon uniform and exorbitant price differentials between various grades of gasoline.

That defendants have agreed to maintain prices at which they require their jobbers, distributors, and service stations to sell petroleum products, and upon the margins allowed the distributors between their purchase and resale price. These margins are such that independent jobbers, distributors, and service station operators are either barely able to meet their cost of operation or are compelled to sell at a loss and are thereby disenabled to compete with the defendants.

That the defendants have unlawfully combined to create and utilize the American Petroleum Institute and its national, regional, state, and local committee as an instrumentality for promoting, supervising, and enforcing the various illegal policies and practices set forth in the complaint.

The complaint asks for an injunction against the continuance of the above practices and other practices alleged, and it also seeks the dissolution of the institute.

Fertilizer Materials

Markets at Other Centers

—*Continued from page 57*

SUPERPHOSPHATE.—Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c. per unit.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse; 167-pound bags, $28.70 per ton, ex-vessel or warehouse. Bulk lots at $27.

FISH MEAL.—Strong. Spot California sardine meal, 67 percent protein, $48 per ton; futures, $43 per ton, f.o.b. San Francisco. Monterey, 65 percent protein, $42 per ton, future delivery. Market good.

TANKAGE.—Steady to stronger. Unground fertilizer, wet rendered, domestic, $2.75 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50 percent, $34 to $35 per ton, f.o.b. cars, South San Francisco. Argentine, 50 percent ground, $37 per ton, ex-dock, San Francisco; 65 percent, $40. Unground, domestic, dry rendered, 55c. to 57½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—$2.60 per unit, f.o.b. cars, San Francisco or Los Angeles. Market firm and supplies scarce.

A.Ph.M.A. Committees Are Appointed for Year

The various committees of the American Pharmaceutical Manufacturers Association for the current year have been announced by B. F. Ascher, president of the association. Chairmen of the committees are:—

Executive committee, Carle M. Bigelow, of the Calco chemical division of the American Cyanamid Company; arbitration, Ralph R. Patch, of the E. L. Patch Company; catalog simplification, executive committee, Dr. Charles E. Vanderkleed, of McNeil Laboratories, Inc.; contact, Dr. Frank B. Fisk, of the Pitman-Moore Company; medical advisory, David A. Bryce, of the Calco chemical division of American Cyanamid Company; delegates to national drug trade conference, Drug Products Company; entertainment, J. A. Huisking, of Fritzsche Brothers; greeters and guests, Dr. Thomas Lewis, of S. B. Penick & Co.

Industry and business policy, C. W. Wagner, of the Maltbie Chemical Company; legislative, Fred A. Lawson, of the E. L. Patch Company; membership, Floyd K. Thayer, of Abbott Laboratories; B. L. Maltbie, of the Maltbie Chemical Company; production, Dr. W. B. Baker, of the Sutliff & Case Company; publicity, H. C. Phibbs, of the H. C. Phibbs Advertising Agency; research board of contact committee, Dr. C. W. Sodern, of George A. Breon & Co.; research and scientific award, Dr. H. S. Baketel; sales and advertising, J. L. Rogers, of the Pitman-Moore Company; time and place, H. B. Johnson, of the Zemmer Company; trademark, C. W. Worner, of the Maltbie Chemical Company.

Natural Nitrate of Soda
Natural Potash Nitrate
Natural Iodine

CHILEAN NITRATE SALES CORPORATION
120 BROADWAY, NEW YORK, N. Y.

Trade Briefs

Southland Mills, Inc., will construct a $5,000,000 newsprint paper unit at its Lufkin, Tex., plant.

Container Corporation of America, this city, has developed a rubber container for perishable foods.

J. H. Hillman, jr., has been named chairman of the board of the National Supply Company, Pittsburgh.

Ammonia sulphate shipments to the Philippines in the first half of 1940 amounted to 11,927 metric tons.

Potash metabisulphite tablets are being made available to British housewives for preservation of fruits.

National Lime Association has initiated a fellowship at the University of Illinois for X-ray studies of lime.

American Petroleum Institute's Eastern district division will hold its Spring meeting April 17-18 in Pittsburgh.

Brown Company, paper pulp, plans to move its main office from Portland, Me., to Berlin, N. H., about December 1, 1940.

Tretolite Company of California plans the construction of a $25,000 laboratory at 5515 Anaheim-Telegraph road, Los Angeles.

Anchor Hocking Glass Corporation, Lancaster, Ohio, will begin operations at its new Los Angeles closure factory about November 1.

Brazilian flyspray manufacturers are now availing themselves of pyrethrum flowers grown chiefly in the State of Rio Grande de Sul.

Pharmacopoeia for Colombia

A bill introduced into the Chamber of Representatives would create a commission as a dependency of the National University to compile a Colombian Pharmacopoeia. This commission would be given four years to complete their work, according to advices to the Department of Commerce, Washington, from the American Embassy in Bogota. The practice of pharmacy would be restricted to Colombians certified by the National University School of Pharmacy and to foreign pharmacists whose credentials have been duly revalidated in accordance with the requirements prescribed by the National University.

Textile Auxiliary Offered

A new auxiliary for use in the dyeing of union fabrics has been introduced by the General Dyestuff Corporation under the designation "Katanol WB Conc." It is said to combine good reserving action with penetrating properties which particularly adapt it for the dyeing of union fabrics in which the cotton or rayon are tightly woven or twisted and where the animal fiber is to be left clean or dyed another shade. A bulletin describing the new agent may be secured by addressing the General Dyestuff Corporation, 435 Hudson street, New York, mentioning the REPORTER.

U.S.S.R. Largest Producer Of Rubber Substitutes

Total world production of synthetic rubber substitutes in 1939 is estimated at about 7.5 percent of the total world production of natural rubber, as follows:—U. S. S. R., 50,000 long tons; Germany, 20,000; United States, 3,000; other countries (United Kingdom, Italy, Japan, and Poland), 2,000; total world, 75,000 long tons of synthetic rubber substitutes, compared with 1,005,000 long tons of natural rubber.

Additional information relative to synthetic rubber substitutes, including history, types, foreign developments, and United States progress, and to rubber derivatives is presented in a comprehensive study recently completed by P. W. Barker, business specialist for rubber and rubber manufactures in the Leather and Rubber Division of the Bureau of Foreign and Domestic Commerce. Detailed information is given regarding production of plantation rubber and the wild rubber variety, government control of rubber, manufacturing processes, and a description of the industry both at home and abroad. The study is illustrated with several diagrams and contains a number of statistical tables. An excellent bibliography completes the work.

This publication, "Rubber: History, Production, and Manufacture," a monograph of forty-seven pages, is designated trade promotion stries No. 209. Copies are available for 10 cents each from the Superintendent of Documents, Government Printing Office, Washington, or may be ordered through the district offices of the Bureau of Foreign and Domestic Commerce.

A.C.S. Papers

Value of Check Fertilizer Analyses

E. W. Magruder
F. S. Royster Guano Company

In 1922 the author started sending to fertilizer chemists a monthly sample of fertilizer for analysis, and this work has been continued ever since. The interest in the analyses has increased and there are now sixty-eight chemists analyzing these samples regularly. They are about equally divided among State fertilizer laboratories, commercial fertilizer laboratories, and laboratories of fertilizer manufacturers. The object of this work may be stated as follows:

1. The average results of so many chemists can be considered as correct so that any chemist, by comparing his results with the average, can tell when he is getting bad results and can at once take the proper steps to correct his work.

2. New methods are frequently sent out and the collaborators analyze the sample by both new and old methods to try and determine which is best.

3. Different methods of filtering and different filter papers are checked against each other to determine which is the better.

4. Proposed methods of the A.O.A.C. are frequently sent out for the chemists to use and they thus become acquainted with the methods before they are officially adopted, and are sometimes able to make valuable suggestions for the improvement of the methods.

5. It adds interest to the work of a routine chemist to be able to compare results with sixty-odd other chemists.

The results and methods of many chemists have been greatly improved by analyzing these check samples.

Sulphur Ratios in Vulcanized Rubber

F. S. Conover
Naugatuck Chemical Division United States Rubber Company

During recent years much emphasis has been placed on the use of extremely low sulphur (0.5 or under) for the production of rubber compounds designed for extraordinarily good aging properties. Stocks so designed have been found very useful for wire insulation and some other products in which extremely good aging is of paramount importance. It is felt, however, that there has been a tendency to extend the use of low sulphur to places where it is neither required nor suitable. A number of cases are known in which low sulphur has been used with definitely detrimental results on properties other than aging. The present work was undertaken for the purpose of determining which properties of rubber compounds were improved by low sulphur and which were not, in hope of shedding new light on the subject.

The results obtained indicate that while low sulphur stocks age better than others, as judged by the usual stress strain data, and while (when properly accelerated) they will produce low heat generation, low permanent set, and low compression set, they do not produce good flexing nor good "Fade-Ometer" resistance. They are not outstanding for resistance to tear, to oil, nor in tensile tests at elevated temperatures.

The data illustrate the fact that while low sulphur compounds may be extremely useful in some applications, they should be used with extreme caution or avoided altogether in other types of service. While a considerable amount of work has been done and many data collected, it is not felt that the subject has been exhausted.

Shipping Information

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Imports at U.S. Ports

New York Imports

AGAR—20 bls, McKesson & Robbins, Kobe
25 bls, Kobe
ACONITE ROOT—5 bgs, Alicante
AGATE ROCK — 10,000 kilos, J Vlisman, Montevideo
ANISE—50 bgs, Wah Young Co, Hongkong
ANTIMONY, ORE—1,561 bgs, W R Grace & Co, Antofagasta
657 bgs, New York Cuba Mail S S Co, Vera Cruz
BARK, MED — 98 bgs, R J Gates, Buenos Aires
BEEF EXTRACT—268 cs, Santos
BISMUTH ALLOY BARS—96 cs, Cerro de Pasco Copper Co, Callao
ORE—30 bgs, Metal Traders, Mollendo
40 bgs, Wah Chang Trading Corp, Hongkong
REFINED—175 cs, Cerro de Pasco Copper Co, Callao
BONES—1,016 bgs, Tupman Thurlow & Co, Buenos Aires
712 bgs, National City Bank, Montevideo
862 bgs, National City Bank, Montevideo
BRISTLES—26 cs, N Wagman Co, Japan
55 cs, Japan
55 cs, N Wagman Co, Tientsin
15 cs, B J Shapiro & Co, Tientsin
55 cs, Block & Co, Tientsin
20 cs, Chase National Bank, Tientsin
10 cs, Irving Trust Co, Tientsin
50 cs, B J Shapiro & Co, Tientsin
8 cs, H Rosenhirsch & Co, Kobe
30 cs, B J Shapiro & Co, Tientsin
9 cs, F W Von Stade, Kobe
25 cs, J Henry Schroeder Banking Corp, Yokohama
CALCIUM, CARBIDE—550 dms, New York & Cuba Mail S S Co, Vera Cruz
TARTRATE—1,322 bgs, A Mevi, Buenos Aires
CANARY SEED—434 bgs, Duryea Seed Co, Buenos Aires
245 bgs, Hinton & Co, Buenos Aires
816 bgs, Wagner Bros Seed Corp, Buenos Aires
164 bgs, National City Bank, Buenos Aires
CARDAMOM—34 cs, Colombo
CASEIN — 334 bgs, Packing Product Co, Buenos Aires
334 bgs, Packing Product Co, Buenos Aires
2,000 bgs, American British Chem Supplies, Buenos Aires
CASSIA, BROKEN—50 bls, A G Dunn, Hongkong
30 bls, A G Dunn, Hongkong
ROLLS—100 bls, Durkee Famous Food, Hongkong
CASTOR BEANS—3,400 bgs, Baker Castor Oil Co, Rio Janeiro
847 bgs, Baker Castor Oil Co, Maceio
6,771 bgs, Baker Castor Oil Co, Recife
1,667 bgs, Baker Castor Oil Co, Recife
2,600 bgs, Baker Castor Oil Co, Recife
1,500 bgs, Baker Castor Oil Co, Rio Janeiro
1818 bgs, Santos
670 bgs, Santos
3,300 bgs, Baker Castor Oil Co, Santos
3,250 bgs, Baker Castor Oil Co, Ceara
1,588 bgs, National City Bank, Ceara
491 bgs, Port au Prince
1,700 bgs, Bahia
3,400 bgs, Guaranty Trust Co, Bahia
1,694 bgs, Baker Castor Oil Co, Bahia
3,400 bgs, Bahia
1,694 bgs, Guaranty Trust Co, Bahia
1,675 bgs, Bahia
2,500 bgs, Baker Castor Oil Co, Pernambuco
1,700 bgs, Baker Castor Oil Co, Pernambuco
CHALK—2 bgs, Pomeroy & Fischer, Vera Cruz
CHILLIES—100 bgs, A G Dunn, Kobe
CHROME ORE—1,000 tons, E J Lavino & Co, Philippine Ports
CINNAMON QUILLS—175 bls, C T Wilson & Co, Colombo
50 bls, C T Wilson & Co, Colombo
COCOA BEANS—250 bgs, Middleton & Co, Trinidad
500 bgs, National City Bank, Bahia
9,000 bgs, Bankers Trust Co, Rio Janeiro
2,000 bgs, Nieschlag & Co, Rio Janeiro
500 bgs, Guaranty Trust Co, Rio Janeiro
280 bgs, Wessel, Duval & Co, Belem
240 bgs, Guaranty Trust Co, Belem
228 bgs, Guaranty Trust Co, Belem
284 bgs, Guaranty Trust Co, Belem
116 bgs, Guaranty Trust Co, Belem
82 bgs, La Guaira
250 bgs, Guayaquil
500 bgs, W R Grace & Co, Guayaquil
250 bgs, A Canale, Guayaquil
200 bgs, South American Product Co, La Guaira
800 bgs, La Guaira
200 bgs, Meyer & Co, La Guaira
41 bgs, Harrison & Co, Puerto Cabello
369 bgs, Curacao Trading Co, Trujillo
2,000 bgs, Wessel, Kulenkampf & Co, Trujillo
54 bgs, Irving Trust Co, Trujillo
1,162 bgs, Gillespie & Co, Trujillo
163 bgs, Curacao Trading Co, Sanchez
829 bgs, Curacao Trading Co, Sanchez
253 bgs, Machado & Co, Puerto Plata
200 bgs, Gillespie & Co, Puerto Plata
213 bgs, Struller & Wood, Port Prince
17,900 bgs, Balfour, Guthrie & Co, Sapele
1,521 bgs, Balfour, Guthrie & Co, Sapele
7,717 bgs, Balfour, Guthrie & Co, Apapa
3,668 bgs, Balfour, Guthrie & Co, Apapa
1,431 bgs, Balfour, Guthrie & Co, Apapa
10,848 bgs, Standard Bank South Africa, Accra
6,417 bgs, Standard Bank South Africa, Accra
8,800 bgs, Standard Bank South Africa, Takoradi
766 bgs, Standard Bank South Africa, Takoradi
106 bgs, Comp Francaise De l'Afrique, Takoradi
5,046 bgs, Comp Francaise De l'Afrique, Takoradi
COCONUT, DESIC—200 cs, Wood & Selick, Colombo
779 pkgs, Balfour, Guthrie & Co, Manila
720 pkgs, Durkee Famous Food, Manila
1,118 pkgs, Durkee Famous Food, Manila
170 cs, Philip Levy, Philippine Port
5,102 pkgs, General Food Corp, Philippine Port
COCONUTS—920 bgs, I L Toledano Corp, Cristobal
500 bgs, I L Toledano Corp, Cristobal
811 bgs, Universal Import & Export Co, Puerto Cortes
COCONUT SHELL, CHARCOAL—1,324 bgs, General Food Sales Corp, Manila
1,000 bgs, General Food Sales Corp, Manila
COLUMBITE ORE—20 cs, Rio de Janeiro
CORK—71 bgs, Mundet Cork Corp, Lisbon
12 bls, Budde & Westerman, Barcelona
18 bls, F Ferrer, Barcelona
26 bls, Globe Shipping Co, Barcelona
6 bls, Cork Product Corp, Barcelona
22 bls, La Nasa Hardware, Barcelona
32 bls, National Carloading Co, Barcelona
22 bls, Grace Line, Barcelona
4 bgs, Hinrichs & Pearsell, Lisbon
33 bgs, Cork Product Co, Lisbon
FLOATS—50 bls, Florida Fisherman Supply Co, Barcelona
20 bls, Linen Thread Co, Barcelona
VIRGIN—502 bls, Mundet Cork Corp, Lisbon
432 bls, Mundet Cork Corp, Lisbon
271 bls, Mundet Cork Corp, Lisbon
WASTE—2,000 bls, Mundet Cork Corp, Lisbon
864 bls, Armstrong Cork Co, Seville
WOOD—394 bls, Lisbon
100 bls, Atlantic & Pacific Mfg Corp, Lisbon
450 bls, Mundet Cork Corp, Lisbon
COTTON LINTERS—252 bls, Bunge North American Grain Co, Pernambuco
152 bls, Bunge North American Grain Co, Pernambuco
193 bls, Kanders-Steuber & Co, Buenos Aires
1 cs, Toyo-Menka-Kaisha, Buenos Aires
196 bls, Kanders-Steuber & Co, Santos
260 bls, Williamson Product Co, Santos
COTTONSEED HULL FIBER — Hercules Powder Co, Santos
CYANIDE PRECIP—38 cs, South American Development Co, Guayaquil
DIVI DIVI — 1,267 bgs, Selma Mercantile Corp, Curacao
DRUGS—5 cs, Globe Shipping Co, Japan
DYES, ANILIN—4 dms, 2 bbls, H Kohnstamm & Co, Vera Cruz
2 kgs, 2 cs, H Kohnstamm & Co, Vera Cruz
208 cs, Rohner Gehrig & Co, Lisbon
6 dms, Rohner Gehrig Co, Lisbon
48 dms, A E Nydegger, Lisbon
1 cs, A E Nydegger, Lisbon
EGG YOLK, HEN, DRIED—112 cs, Import Com Co, Tientsin
ERGOT—11 dms, J L Hopkins & Co, Lisbon
ETHYL FLUID—14 pkgs, Foreign Shipping Service Co, Batavia
EUCALYPTUS LEAVES — 121 bls, S B Penick & Co, Seville
73 bls, J L Hopkins & Co, Seville
FLAXSEED—505 tons, 20,200 bus, Buenos Aires
FLEASEED—62 bgs, Irving Trust Co, Seville
16 bgs, Alicante
FLUORSPAR—1 cs, Ford Motor Co, Buenos Aires
GENTIAN ROOT—196 bls, S B Penick & Co, Bilbao
92 bls, Kachurin Drug Co, Bilbao
213 bls, R J Prentiss & Co, Vigo
39 bls, R J Prentiss & Co, Vigo
GINGER—10 cks, E Miltenberg, Hongkong
GLANDS, BEEF—16 cs, Wilson & Co, Rio Janeiro
SUPRARENAL—5 cts, C Hollenshed & Co, Montevideo
GLUESTOCK—31 bls, Milligan & Higgins Corp, Buenos Aires
118 bgs, Milligan & Higgins Corp, Buenos Aires
GRAINS OF PARADISE—22 bgs, L A Champon, Lagos
GRAPHITE—572 bgs, Joseph Dixon Crucible Co, Colombo
GUM COPAL—100 bgs, Manila
GUAIAC—10 cs, Schutte & Focke, Trujillo
LIGNUM VITAE—12 cs, Gillespie & Co, Port au Prince
NESPERO—114 bgs, Chile Development Co, Cristobal
TRAGACANTH—71 bgs, Nawi Nounno & Co, Busreh
79 cs, Nawi Mounno & Co, Busreh
58 bgs, Nawi Nounno & Co, Busreh
HOREHOUND LEAVES, WHITE—44 bls, J L Hopkins & Co, Alicante
IRISH MOSS—100 bls, Europe
KOLA NUTS—138 bgs, Gillespie & Co, Apapa
139 bgs, S B Penick & Co, Apapa
130 bgs, Barclay Bank, Apapa
65 bgs, Barclay Bank, Apapa
10 bgs, L H Gruber, Bassam
KYANITE ORE—15 tons, Goldwynne Magnesite & Magnesia Corp, Calcutta
200 tons, New York Trust Co, Calcutta
LOOFAHS — 30 bls, American Sponge & Chamois Co, Kobe
MAGNESITE—180 bgs, Alleppy
CALCINED—600 bgs, Alleppy
MANGANESE ORE—4 cs, Minfermet, Inc, Rio de Janeiro
MARSHMALLOW ROOT—51 bls, S B Penick & Co, Bilbao
MANIOC FLOUR—100 bgs, Santos
MEDICINAL PREPS—4 cs, Eli Lilly Co, Havana
7 cs, Rohner, Gehrig Co, Lisbon
8 cs, Goudrand Shipping Co, Lisbon
42 cs, Goudrand Shipping Co, Lisbon
2 dms, Fred J Pietzuch, Buenos Aires
2 dms, Fred J Pietzuch, Rio de Janeiro
MICA—90 cs, American Mica Works, Victoria
17 cs, Eugene Munsell & Co, Rio de Janeiro
58 cs, Ford Radio & Mica Corp, Rio de Janeiro
154 cs, F D Pitts Co, Rio de Janeiro
7 cs, Ford Radio & Mica Corp, Rio de Janeiro
12 cs, A O Schoonmaker Insulation Co, Rio de Janeiro
5 cs, Industrial Mica Corp, Rio de Janeiro
106 cs, Otto Gerdau Co, Rio de Janeiro
22 cs, Siegfried Cussel, Rio de Janeiro
BLOCK—25 cs, O Gerdau Co, Calcutta
100 cs, E J Cornelis Co, Calcutta
51 cs, A O Schoonmaker Insulation Co, Calcutta
SPLITTINGS—266 cs, E J Cornelis Co, Calcutta
MINERAL—160 bgs, Watson Geach & Co, Barranquilla
MOLASSES—167,500 gls, American Molasses Co, Havana
MUD DRILLING—2 dms, Dowell, Inc, Trinidad
NUX VOMICA — 134 bgs, Royal Bank of Canada, Alleppy
335 bgs, Irving Trust Co, Alleppy
1,296 bgs, S B Penick & Co, Colombo
OIL, ALMOND—10 dms, Seville
ANISE—40 dms, Fritzsche Bros, Hongkong
CAMPHOR—10 dms, Dodge & Olcott Co, Yokohama
10 pkgs, Dodge & Olcott Co, Yokohama
CASHEW SHELL—100 dms, Harval Research Corp, Mangalore
CASSIA—10 dms, Fritzsche Bros, Hongkong
10 dms, Dodge & Olcott Co, Hongkong
CHAULMOOGRA—50 cs, Magnus, Mabee & Reynard, Colombo
CHINAWOOD—100 tons, Pacific Vegetable Oil Corp, Hongkong
241 tons, Universal Trading Corp, Hongkong
CITRONELLA — 10 dms, National City Bank, Batavia
4 dms, Catz American Co, Batavia
12 dms, Procter & Gamble, Batavia
23 dms, International Credit Mij, Batavia
93 dms, Catz American Co, Batavia
16 cs, Guaranty Trust Co, Batavia
18 dms, National City Bank, Batavia
14 dms, Bank of Manhattan, Batavia
17 dms, Catz American Co, Batavia
COD—252 cks, Canada
100 bbls, Canada
ESSENTIAL—1 cs, S H Hirsch, Barcelona
11 dms, Allondon Bayonne Co, Rio Janeiro
6 dms, H A Sothern, Puerto Barrios
EUCALYPTUS—12 dms, Seville
FISH LIVER—15 dms, Japan
HERRING—2 bbls, Iceland
LEMONGRASS—15 dms, Magnus, Mabee & Reynard, Colombo
21 dms, Volkart Bros, Colombo
8 dms, H P Winter & Co, Colombo
4 dms, Magnus, Mabee & Reynard, Colombo
6 dms, Maywood Chem Works, Colombo
13 dms, E I Du Pont de Nemours Co, Colombo
8 dms, Maywood Chem Works, Colombo
6 dms, Ungerer & Co, Colombo
LIME—12 dms, Dodge & Olcott Co, Trinidad
12 dms, Fritzsche Bros, Trinidad
OITICICA—50 dms, Irving Trust Co, Recife
OLIVE—125 cs, Pan American Trust Co, Lisbon
50 cs, Chase Natl Bank, Lisbon
200 cs, Banco Di Napoli Trust Co, Lisbon
123 cs, Manufacturers Trust Co, Lisbon
100 cs, J Henry Schroeder Banking Corp, Lisbon
PALM—58 dms, United Africa Co, Takoradi
PALMAROSA—1 dm, Guaranty Trust Co, Batavia
PATCHOULI—2 dms, Guaranty Trust Co, Batavia
PETITGRAIN—35 cs, Guaranty Trust Co, Buenos Aires
8 dms, Guaranty Trust Co, Buenos Aires
1 cs, Stern, Stiner & Co, Buenos Aires
ROSEMARY—20 dms, Seville
TEASEED—120 tons, Leghorn Trading Co, Hongkong
VETIVER—5 dms, Bank of Manhattan, Batavia
PALMKERNELS—460 bgs, Belawan Deli
438 bgs, Belawan Deli
1,814 bgs, Belawan Deli
PAPAIN—11 cs, J A Harveyson, Colombo
21 hlf chests, Dodwell & Co, Colombo
PEPPER, BLACK—400 bgs, Guaranty Trust Co, Batavia
800 bgs, Guaranty Trust Co, Tandjong Priok
600 bgs, Guaranty Trust Co, Tandjong Priok
80 bgs, Wallace Bros, Colombo
LARGE—30 bgs, Alicante
WHITE—162 bgs, Guaranty Trust Co, Batavia
81 bgs, Guaranty Trust Co, Tandjong Priok
81 bgs, Guaranty Trust Co, Tandjong Priok
PERFUME, SYNTHETIC—1 cs, Givaudan-Delawanna, Lisbon
PRECIPITATES—1 cs, American Smelting & Refg Co, Salaverry
QUEBRACHO EXTRACT—1,050 bgs, International Product Corp, Buenos Aires
1,000 bgs, International Product Corp, Buenos Aires
1,650 bgs, International Product Corp, Buenos Aires
1,072 bgs, Tannin Corp, Buenos Aires
536 bgs, Tannin Corp, Buenos Aires
350 bgs, Tannin Corp, Buenos Aires
QUICKSILVER — 32 flks, Chase National Bank, Vera Cruz
60 flks, Vera Cruz
QUINCE SEED—12 bgs, S B Penick & Co, Malaga
RAPESEED — 108 bgs, Duryea Seed Co, Buenos Aires
174 bgs, National City Bank, Buenos Aires
800 bgs, Bunge North American Grain Co, Buenos Aires
ROCK CRYSTALS—15 cs, Milton Snedeker & Co, Rio de Janeiro
20 cs, American Gem & Pearl Co, Rio de Janeiro
23 cs, Brazilian Trading Co, Rio de Janeiro
3 cs, Rio de Janeiro
SAPADILLA SEED—100 bgs, S B Penick & Co, La Guaira
SANDALWOOD—174 bls, Volkart Bros, Colombo
BILLETS—1,985 bgs, W J Bush & Co, Alleppy
SENNA LEAVES—55 bls, S B Penick & Co, Colombo
54 bls, Colombo
SHELLAC—500 bgs, Wm Zinsser & Co, Calcutta
SEEDLAC—200 bgs, Wm Zinsser & Co, Calcutta
200 pkgs, Wm Zinsser & Co, Calcutta
200 bgs, Mantrose Corp, Calcutta
200 bgs, Dings & Schuster, Calcutta
SPONGES—45 bls, Nassau
17 bls, Vera Cruz
8 bls, Vera Cruz
WASTE—1 bl, Vera Cruz
100 bls, J J Sculty, Havana
120 bls, Johns Manville Corp, Havana
STARCH — 2 cs, Oscar Elsmann, Buenos Aires
MANIOC—50 bgs, Nortz & Co, Rio de Janeiro
450 bgs, Morningstar Nicol, Rio de Janeiro
TALC—847 bgs, L A Salomon & Bros, Japan
2,210 bgs, Heyman-Sveldner Co, Calcutta
TANKAGE—1,102 bgs, Swift & Co, Montevideo
RENDERED — 2,020 bgs, Van Inderstine Co, Buenos Aires
907 bgs, Armour & Co, Buenos Aires
TANTALITE—4 cs, Rio de Janeiro
TAPIOCA FLOUR—100 bgs, Guaranty Trust Co, Tandjong Priok
850 bgs, Guaranty Trust Co, Tjilatjap
250 bgs, Irving Trust Co, Cheribon
800 bgs, Stein, Hall & Co, Tjilatjap
250 bgs, Irving Trust Co, Cheribon
250 bgs, Stein, Hall & Co, Tjilatjap
200 bgs, Stein, Hall & Co, Tjilatjap
250 bgs, Irving Trust Co, Batavia
662 bgs, Irving Trust Co, Batavia
1,250 bgs, American Cyanamid & Chem Co, Tandjong Priok
23 bgs, Vera Cruz
TARTAR—231 bgs, Charles Pfizer & Co, Bilbao
142 bgs, Charles Pfizer & Co, Bilbao
306 bgs, Charles Pfizer & Co, Alicante
245 bgs, Charles Pfizer & Co, Alicante
TIN, ORE—184 bgs, W R Grace & Co, Mollendo
TOLU BALSAM—20 cs, Wessel, Duval & Co, Barranquilla
15 cs, Mecke & Co, Barranquilla
TONKA BEANS—32 dms, Strohmeyer & Arpe Co, Belem
TURMERIC FINGERS — 273 bgs, Volkart Bros, Alleppy
215 bgs, B H Old & Co, Colombo
VACCIN—3 cs, Goudrand Shipping Co, Lisbon
VANADIUM—14,379 bgs, Vanadium Corp of America, Callao
WAX, BAYBERRY—78 bgs, D Steengrafe, Buenaventura
BEES—101 bgs, Rio de Janeiro
9 bgs, Schutte & Focke, Trujillo
84 bgs, Wessel, Duval & Co, Rio de Janeiro
72 bgs, Rio de Janeiro
20 bgs, Irving Trust Co, Trujillo
8 serroons, Porcella Vicini & Co, Puerto Plata
16 serroons, Porcella Vicini & Co, Puerto Plata
9 bgs, Gillespie & Co, Port au Prince
1 bbl, Gillespie & Co, Port au Prince
14 bgs, D Steengrafe, Port au Prince
CARNAUBA—56 bgs, Chase National Bank, Ceara
56 bgs, Bank of London-South America, Ceara
30 bgs, Santos
129 bgs, Strahl & Pitsch, Rio de Janeiro
OURICURY—70 bgs, Smith & Nichols, Rio de Janeiro
WINE LEES—1,757 bgs, Charles Pfizer & Co, Buenos Aires
WOLFRAM ORE—220 bgs, J Henry Schroeder Banking Corp, Arica
440 bgs, Metal Traders, Arica
482 bgs, W R Grace & Co, Mollendo
946 bgs, W R Grace & Co, Mollendo
86 bgs, East Asiatic Co, Inc, Bangkok Thailand
YEAST—1 pkg, Standard Brands, Vera Cruz

New York Transit Imports

CASSIA ROLLS—42 bls, McLaughlin, Gormley & King, Hongkong, Minneapolis
COCONUT DESIC—2,360 bgs, General Food Sales Co, Philippine port, Bridgeport
ERGOT—2 dms, Allaire Woodward & Co, Lisbon, Peoria
MANIOC FLOUR—850 bgs, Trojan Powder Co, Ceara, Allentown

Baltimore Imports

IRON ORE—5,732 tons, Bethlehem Steel Co, Daiquiri
21,300 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—6,500 tons, Bethlehem Steel Co, Durban
8,000 tons, Rio Janeiro
MOLASSES—732,520 gls, Cuba Distilling Co, La Romana
PETROLEUM, CRUDE—76,580 bbls, Pan American Ref Corp, Las Piedras
POTASH CHLORIDE—7,784 tons, Barcelona
QUEBRACHO EXTRACT—2,424 bgs, Buenos Aires
RUTILE ORE—94 cs, Bahia
TANKAGE—4,332 bgs, Buenos Aires

Boston Imports

ARBUTUS—146 bls, Banco Esetorior de Espana, Alicante
CASSIA, BROKEN—100 bls, Stickney & Poor Spice Co, Hongkong
ROLLS—100 bls, Stickney & Poor Spice Co, Hongkong
COTTONSEED MEAL—6,200 bgs, Buenos Aires
OIL COCONUT—1,031 long tons, Philippine Refg Corp, Philippine port, Quincy
SPERM—25 dms, Scotland
TAPIOCA FLOUR—250 bgs, American Cyanamid & Chem Co, Tandjong Priok
250 bgs, Guaranty Trust Co, Tjilatjap
654 bgs, Stein Hall & Co, Tjilatjap
200 bgs, Irving Trust Co, Cheribon
250 bgs, Batavia, Cheribon

Jacksonville Imports

TAPIOCA FLOUR—350 bgs, Irving Trust Co, Cheribon
250 bgs, Guaranty Trust Co, Cheribon

Los Angeles Imports

AGAR—30 lbs, Kobe
AMMONIA PHOSPHATE—212,800 lbs, Trail
ANTIMONY ORE—85,000 lbs, Igula
APRICOT KERNELS—160 lbs, Hongkong
2,240 lbs, Hongkong
CLOVES—4,400 lbs, Batavia
COALTAR PRODUCTS—1 lb, Yokohama
COCONUT, DESIC—38,500 lbs, Davao
58,550 lbs, Manila
156,800 lbs, Manila
99,400 lbs, Manila
201,330 lbs, Manila
COPRA—1,120,000 lbs, Phil Islands
1,523,200 lbs, Cebu
MEAL—9,340 bgs, 934,000 lbs, Manila
3,000 bgs, 300,000 lbs, Manila
10,500 bgs, 1,050,000 lbs, Manila
2,000 bgs, 200,000 lbs, Manila
500 bgs, 50,000 lbs, Cebu
24,680 bgs, 2,468,000 lbs, Manila

DRUGS, CRUDE—60 lbs, Osaka
FISH LIVERS—335 tins, 13,400 lbs, Japan
750 tins, 30,000 lbs, Kobe
715 tins, 28,600 lbs, Yokohama
380 tins, 15,200 lbs, Kobe
508 tins, 20,320 lbs, Yokohama
131 tins, 5,240 lbs, Yokohama
GINGER ROOT—500 lbs, Hongkong
GUM, COPAL—33,600 lbs, Macassar
INCENSE—2 lbs, Hongkong
MACE—2,200 lbs, D E I
14 cs, 2,310 lbs, Macassar
MEDICINAL PREPS—60 lbs, Yokohama
640 lbs, Yokohama
4 lbs, Tokyo
MINERAL CRUDE—2,730 lbs, Rio Janeiro
20 lbs, New Zealand
NUTMEGS—66 bgs, 11,600 lbs, D E I
OIL, CITRONELLA—2,320 lbs, D E I
5,630 lbs, Batavia
PEANUT—720 lbs, Hongkong
3,600 lbs, Hongkong
PEANUT MEAL—20,000 lbs, Tsingtao
PEANUTS, SHELLED—60,000 lbs, Manila
15,000 lbs, Manila
PEATMOSS—89,600 lbs, Glasgow
PEPPER, BLACK—324 bgs, 44,800 lbs, Batavia
30,000 lbs, Batavia
WHITE—10,910 lbs, Batavia
PERFUME—20 lbs, London
PAPAYA LEAVES—400 lbs, Colombo
ROSIN—110,230 lbs, Guardalajara
SHELLAC—150 bgs, 24,000 lbs, Calcutta
41,200 lbs, Calcutta
SEEDLAC—200 bgs, 32,800 lbs, Calcutta
49,200 lbs, Calcutta
SOAP, TOILET—1,260 lbs, London
TAPIOCA FLOUR—7,900 lbs, Hongkong
TOILET PREPS—20 lbs, London
40 lbs, London
400 lbs, Kobe
WAX, MINERAL — 678 bgs, 89,070 lbs. Svenger Gerong

New Orleans Imports

COCONUTS—35 tons, Tela
62 tons, Belize

Norfolk Imports

TAPIOCA FLOUR—700 bgs, Stein Hall & Co, Batavia
500 bgs, Stein Hall & Co, Batavia
700 bgs, Stein Hall & Co, Batavia
436 bgs, Stein Hall & Co, Tjilatjap
511 bgs, Stein Hall & Co, Cheribon
500 bgs, Irving Trust Co, Cheribon
1,280 bgs, Irving Trust Co, Cheribon
520 bgs, Irving Trust Co, Cheribon
1,250 bgs, Irving Trust Co, Batavia

Philadelphia Imports

CANARY SEED—84 bgs, Buenos Aires
CHALK—5,000 tons, London
CINCHONA BARK—274 bls, Sourabaya
2,163 bls, Batavia
COCOA BEANS—2,000 bgs, Bahia
CORK, VIRGIN—6,149 bls, Armstrong Cork Co, Lisbon
WASTE—7,804 bls, Armstrong Cork Co, Lisbon
8,002 bls, Armstrong Cork Co, Lisbon
WOOD—42 bls, Armstrong Cork Co, Lisbon
GLYCERIN, SOAPLYE—100 dms, Buenos Aires
GUM, COPAL—80 bskts, Chase National Bank, Macassar
227 bskts, Guaranty Trust Co of New York, Macassar
MACE—27 cs, Macassar
MOLASSES—494,280 gls, Publicker Alcohol Co, Puerto Tarafa
929,639 gls, Publicker Alcohol Co, Havana
1,361,136 gls, E I du Pont de Nemours & Co, Inc, Bufadero
OIL, FUEL—64,510 bbls, Socony Vacuum Oil Co, Aruba
77,410 bbls, Socony Vacuum Oil Co, Aruba
PEPPER, WHITE—258 bgs, Djeboes; 246 bgs, Panamoekan
PETROLEUM, CRUDE—122,290 bbls, Gulf Oil Corp, Las Piedras
23,263 bbls, Gulf Oil Corp, Puerto la Cruz
119,895 bbls, Gulf Oil Corp, Puerto la Cruz
95,853 bbls, Gulf Oil Corp, Las Piedras
66,400 bbls, Atlantic Refining Co, Las Piedras
TANKAGE, ANIMAL—1,125 bgs, Buenos Aires
TAPIOCA FLOUR—1,670 bgs, Cheriben
350 bgs, Batavia
2,983 bgs, Nat'l City Bank of New York, Tjilatjap
500 bgs, Guaranty Trust Co, Tjiliatjap
500 bgs, Phila National Bank, Batavia
1,070 bgs, Balfour, Guthrie & Co, Panamoekan
WAX, VEGET—100 cs, Kobe

Savannah Imports

TAPIOCA FLOUR—250 bgs, Philadelphia Natl Bank, Batavia
200 bgs, Guaranty Trust Co, Batavia
250 bgs, Irving Trust Co, Cheribon

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended October 2

Cuttlefish, 50 cases; incorrect quantity of contents statement.

Eucalyptus oil, 5 drums; restricted use.

Medicinal preparation, 24 boxes, 4 parcels; false therapeutic claims.

Nutmegs, 40 bags; moldy.

Sesame seed, 52 bags; filthy.

San Francisco

Cosmetic, 50 jars; false and misleading claims; manufacturer not stated; quantity contents not stated; statements inconspicuous.

Medicinals, 1,452 pieces; manufacturer not stated; quantity contents not stated; ingredients not listed; directions not given.

Exports from U.S. Ports

Los Angeles Exports

ACID, BORIC—40 bgs, 4,480 lbs, Melbourne; 769 bgs, 88,370 lbs, Sydney; 2,000 bgs, 224,000 lbs, Liverpool; 100 bgs, 11,200 lbs, Madras
CITRIC—1,680 lbs, Cheribon; 1,120 lbs, Semarang; 2,800 lbs, Batavia; 2,240 lbs, Sourabaya
CRESYLIC—2,610 lbs, Manila; 44,100 lbs, Calcutta
ASPHALT—1,205 dms, 500,000 lbs, Bombay
LIQUID—100 dms, 27,270 lbs, Calcutta; 100 pls, 4,700 lbs, Manila; 25 dms, 11,200 lbs, Buenos Aires
SOLID—495 dms, 237,500 lbs, Cristobal/Balboa
BLACK, CARBON—5,500 lbs, Buenos Aires
BORATE—6,731 bgs, 1,286,060 lbs, Osaka; 15,057 pkgs, 2,584,650 lbs, Liverpool
BORAX—536 bgs, 89,010 lbs, Osaka; 260 bgs, 29,120 lbs, Auckland; 510 bgs, 57,110 lbs, Melbourne; 1,007 bgs, 112,780 lbs, Sydney; 745 bgs, 83,445 bgs, Calcutta; 2,612 bgs, 436,160 lbs, Osaka; 20 bgs, 2,240 lbs, Bombay
POWDER—16 bgs, 2,000 lbs, Medellin
BUTANE—61 cyls, 6,100 lbs, Barranquilla
BUTYLENE ALKYLATE—14,781 bbls, Lands End
CEMENT, PLASTIC—1,080 lbs, Manila
CHEMICAL SPECIALTY—660 lbs, Lima
CLAY—400 sks, 44,800 lbs, Auckland
FILTER—280 sks, 13,440 lbs, Sydney; 400 sks, 20,160 lbs, Calcutta; 1,200 sks, 60,480 lbs, Havana; 1,200 sks, 60,480 lbs, Ahwaz; 400 sks, 20,160 lbs, Karachi; 924 bgs, 47,040 lbs, Buenos Aires
GROUND—430 sks, 43,000 lbs, Maracaibo; 485 bgs, 44,800 lbs, Port Moresby
CLEANER—960 lbs, San Jose
COALTAR PROD—340 lbs, Manila
COLOR, DRY—4,810 lbs, Wellington; 28,500 lbs, Balboa
PASTE—1,150 lbs, Manila
DIATOMACEOUS EARTH—1,141 bgs, 114,100 lbs, Calcutta; 5 bgs, 500 lbs, Medellin; 20 bgs, 2,000 lbs, Valparaiso; 1,000 bgs, 100,000 lbs, Bombay; 47 bgs, 4,580 lbs, Buenos Aires
DICHLORODIFLUOROMETHANE — 6 cyls, 870 lbs, Auckland
FERTILIZER—2,240 lbs, Puntarenas
FLOTATION REAGENTS—15,900 lbs, Suva
GASOLINE—81,435 bbls, Vladivostok; 63,072 bbls, Manila/Cebu; 150 dms, Tegucigalpa
GLAUBER'S SALT—33,080 lbs, Sourabaya/Semarang/Batavia
GLYCERIN—20 lbs, Manila
GREASE—20 pkgs, 2,000 lbs, Singapore
LUBRICATING—10 pkgs, 4,740 lbs, Batavia
INSECTICIDE, LIQ—1,600 lbs, Manila
ISOPENTANE—19,674 bbls, Lands End
KEROSENE—3,000 cs, Manila; 43,132 bbls, Manila/Cebu; 100 cs, Puntarenas
DISTILLATE—73,140 bbls, Dairen
LACQUER—7,150 lbs, Lima; 6,660 lbs, Manila; 620 lbs, Bombay; 260 lbs, Bombay
THINNER—1,760 lbs, Lima; 6,320 lbs, Bombay; 7,040 lbs, Bombay
LARD—500 crts, 36,000 lbs, La Paz
LEAD, WHITE, IN OIL—1,000 lbs, Tandjong Oeban
LITHARGE—2,000 lbs, Medellin
LUBRICANTS—120 lbs, Manila
MANGANESE DIOXIDE—1,000 lbs, Medellin
MEDICINAL PREPS—90 lbs, Johannesburg; 90 lbs, Capetown; 100 lbs, Manila
NITROCELLULOSE — 32 dms, 5,150 lbs, Hongkong
OCTANE—8,107 bbls, Lands End
OIL, COCONUT—84 dms, 33,600 lbs, Lima
DIESEL—6,560 bbls, Manila/Cebu; 8 dms, Puntarenas; 1,492 bbls, Porto Armuelles
FISH—890 lbs, Auckland
FUEL—77,798 bbls, Balboa
LEMON—100 lbs, Auckland; 850 lbs, Sydney; 6 dms, Puntarenas
LINSEED—230 pkgs, 27,600 lbs, Manila
LUBRICATING—10 dms, Sydney; 1,000 dms, Dairen; 73 dms, Hongkong; 70 pkgs, Singapore; 10 dms, Singapore; 80 pkgs, Manila; 80 pkgs, Manila; 375 pkgs, Macassar; 14 dms, Batavia; 7 cs, Macassar
OLEO—8,380 lbs, Hongkong
ORANGE—300 lbs, Auckland; 300 lbs, Sydney
PALM, FLAKE—200 bgs, 20,000 lbs, Manila
PALM, HYDROG—200 bgs, 20,000 lbs, Sourabaya
SULPHONATED—2 dms, 650 lbs, Auckland
PAINT—2,550 lbs, Lima; 16,830 lbs, Manila; 13,890 lbs, Palembang; 120 lbs, Bombay
ENAMEL—70 lbs, Palmerston North
MATERIALS—2,390 lbs, Wellington
REMOVER—720 lbs, Manila; 1,800 lbs, Singapore
SOLUTION—2,410 lbs, Melbourne
THINNER—20 lbs, Palmerston North; 390 lbs, Lima
PASTE, MASKING—760 lbs, Singapore
PECTIN, APPLE—1,000 lbs, Melbourne
PETROLEUM COKE—4,466,560 lbs, Yokohama
COKE, CALC—10,030,720 lbs, Yokohama
CRUDE—65,101 bbls, Vancouver
GAS, LIQ—54 cyls, 11,610 lbs, Auckland; 135 cyls, 6,070 lbs, Sydney; 132 cyls, 5,760 lbs, Melbourne
QUICKSILVER—100 lbs, Buenaventura
SALTCAKE—2,200 bgs, 369,600 lbs, Calcutta
SODA ASH—2,000 lbs, Medellin; 77,000 lbs, Sourabaya
SILICATE—1,000 sks, 100,000 lbs, Auckland; 12,000 lbs, San Jose de Guatemala
SOLVENTS—60 lbs, Lima
STEARIN, FLAKE—10,000 lbs, Havana
TALC—200 bgs, 10,000 lbs, Puerto Columbia; 2,240 lbs, La Union
TANNERS' BATE—200 lbs, Puerto Colombia
TOILET PREPS—110 lbs, Apia; 2,940 lbs, Bogota; 1,480 lbs, Havana; 250 lbs, Cristobal; 2,260 lbs, Havana; 7,470 lbs, Sourabaya; 7,470 lbs, Batavia
TRIPOLI—4,000 lbs, Melbourne; 7,000 lbs, Sydney
VARNISH—3,490 lbs, Manila

New Orleans Exports

ACID, STEARIC—18 tons, Havana
ANIMAL CHARCOAL—100 tons, Vera Cruz
ASPHALT—7 tons, Vera Cruz
CLAY, BLEACHING—27 tons, Cristobal
DISTILLATE—19 tons, Tela
GASOLINE—37 tons, Tela; 13 tons, Puerto Barrios
GLUCOSE—27 tons, Havana
KEROSENE—54 tons, Tela; 98 tons, Belize; 34 tons, Puerto Barrios; 3 tons, Puerto Cabezas
LARD—25 tons, Havana; 97 tons, Santiago; 16 tons, Puntarenas; 37 tons, Santa Marta; 37 tons, Barranquilla; 33 tons, Cartagena; 40 tons, Puerto Limon; 56 tons, Tampico
LIME, HYDRATED—136 tons, Puerto Barrios
MANGANESE ORE—30 tons, West Coast South America
OIL, BUNKER—214 tons, Quepos
DIESEL—154 tons, Ceiba
FUEL—410 tons, Ceiba
LUBRICATING—7 tons, Puerto Cabezas
TRACTOR—5 tons, Ceiba
PARAFFIN—14 tons, Havana; 76 tons, West Coast South America; 11 tons, East Coast South America
ROSIN—14 tons, Barranquilla
SALT—57 tons, Havana; 5 tons, Puerto Cabezas
SODA, CYANIDE—27 tons, Puerto Cabezas
SOYBEAN MEAL—51 tons, Havana
SUPERPHOSPHATE—13 tons, Havana South America
TANNING EXTRACT—18 tons, Havana
WAX—93 tons, Vera Cruz

Philadelphia Exports

ASPHALT, REFD—6 dms, Santos
GREASE, LUBRIC—30 cs, 55 dms, 7 bbls, 95 pls, Santos; 10 cs, 6 bbls, Rio de Janeiro
NITROCELLULOSE—4 bbls, Hongkong
OIL, BATCHING—153,906 gls, Shanghai
LUBRICATING—250 dms, 555 cs, Manila; 50 dms, Iloilo; 65 dms, 40 cs, Cebu; 217 dms, 5 cs, Shanghai; 168 dms, 548 cs, Santos; 10 dms, 275 cs, Paranagua; 135 dms, 250 cs, Rio de Janeiro; 15 dms, 80 cs, Rio Grande do Sul
PARAFFIN—1,020 bgs, Tsingtao; 20 cs, 10 bgs, Santos; 30 cs, Paranagua; 30 cs, Rio de Janeiro
PETROLATUM—10 cs, Santos; 15 cs, Rio de Janeiro
RESIN, SYNTH—15 bbls, Rio de Janeiro
SODA—1,500 bgs, Rio de Janeiro
SOLVENT—5 dms, Rio de Janeiro
TURPENTINE SUBSTITUTE—1,000 cs, Rio de Janeiro

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Bleached Shellac:—Cuban regulation provides that gum-lac originating in India and merely bleached in the United States is not entitled, upon importation into Cuba, to the preferential rate of duty applicable to United States goods but will be dutiable as a product of India.

Drugs:—A Cuban decree provides for official wholesale prices of certain drugs. This action, the decree states, was made necessary by the fact that investigation has shown that present prices of drugs in question are above those which should apply on the basis of calculations made in accordance with the provisions of current regulations.

Olive Oil:—Tunisia prohibits the exportation of crude oil from olive-foots and of soap, except when effected by the Provisioning Service.

Origin Requirements:—French Indochina, in order to facilitate the importation of needed supplies and to prevent any further increase in the cost of living, marking of origin requirements on a wide range of imported foreign goods have been temporarily suspended.

Petroleum Distillates:—Barbados has made the importation of motor fuels and other petroleum distillates, excepting kerosene, subject to an emergency duty of 1½ pence per gallon.

Pharmaceuticals:—Syria and Lebanon require that pharmaceutical preparations offered for retail sale carry the sale price affixed in an indelible manner in French and in Arabic to the exterior packing and the immediate container.

Proprietaries:—Costa Rica will not permit the sale of unregistered and unlicensed proprietary medicines and pharmaceutical specialties.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—10,417 bbls, San Diego; 67,877 bbls, Seattle; 67,332 bbls, Portland; 3,100 bbls, San Diego; 2,901 bbls, San Diego; 19,369 bbls, Oleum; 71,357 bbls, Seattle; 71,876 bbls, Seattle; 30,276 bbls, Seattle; 3,496 bbls, Seattle; 13,000 bbls, Seattle
KEROSENE—2,196 bbls, San Diego
OIL, DIESEL—6,670 bbls, San Diego; 7,284 bbls, Portland; 11,174 bbls, Portland; 1,453 bbls, San Diego; 2,350 bbls, San Diego; 29,949 bbls, Oleum; 8,684 bbls, Seattle; 1,900 bbls, Seattle
FUEL—76,754 bbls, Oleum; 8,750 bbls, San Diego; 2,473 bbls, Portland; 59,812 bbls, Portland; 71,063 bbls, Willbridge; 7,834 bbls, Seattle; 3,235 bbls, Portland
FURNACE—2,700 bbls, Seattle
GAS—87,472 bbls, Avon

McNair Observes Thirtieth Year With National Lead Co.

J. G. C. McNair, manager of the Atlantic branch of the National Lead Company, this city, was honored at a luncheon at the Lawyer's Club October 4, given by his associates in the company in recognition of his thirtieth anniversary with the company.

A member of the sales staff in the South in 1910, Mr. McNair came to the New York office three years later. In 1917 he was named assistant to H. G. Sidford, sales manager of the white lead department of the Atlantic branch. He was elected assistant manager of the branch in 1928 and was promoted to manager two years ago.

Enamel Hairlining Affects Of Sheet Steels Discussed

A discussion of some of the physical properties of sheet steel enamels affecting hairlining is presented in a new publication of the Ferro Enamel Corporation. The presentation includes considerations of failure due to tension, enamel thickness, bisque-coating strength, and the formation of the coatings under a hairline. Copies of the work, entitled Technical Bulletin No. 6, may be secured by addressing the Ferro Enamel Corporation, Cleveland, Ohio, mentioning the REPORTER.

Swirles Wins Golf Cup Of Buffalo Paint Club

The newly-acquired golf cup of the Buffalo Paint, Varnish and Lacquer Association has been awarded to T. Scott Swirles, who defeated Robert Nagel in the play-off. In addition to winning the association cup for a year, Mr. Swirles received a smaller replica for his permanent possession. The McDougall-Butler cup this year was awarded to Carl H. Nagel, who defeated Sydney C. Murray in the play-off.

Paint Failures Fewer

The paint and allied industries group of the New York Credit Men's Association reported that August was the fifth consecutive month of decreased liabilities involved in insolvencies. During April to August, inclusive, insolvency cases decreased nearly 1/3 percent, compared to the similar period of 1939, while the amount of liabilities involved decreased nearly 50 percent.

Statement of the ownership, management, circulation, etc., required by the acts of Congress of August 24, 1912, and March 3, 1933, of Oil, Paint and Drug Reporter, published weekly at New York, N. Y., for October 1, 1940.

State of New York, County of New York: Before me, a notary public in and for the State and county aforesaid, personally appeared Harry J. Schnell, who, having been duly sworn according to law, deposes and says that he is the business manager of the Oil, Paint and Drug Reporter, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the act of August 24, 1912, as amended by the act of March 3, 1933, embodied in section 537, Postal Laws and Regulations, to wit:—That the names and addresses of the publisher, editor, managing editor, and business manager are:—Publisher, Oil, Paint and Drug Publishing Company, Inc., 59 John street, New York; editor, Harry J. Schnell, 59 John street, New York; managing editor, Hugh Craig, 59 John street, New York; business manager, Harry J. Schnell, 59 John street, New York. That the owner is Oil, Paint and Drug Publishing Co., Englewood, N. J. Stockholders holding 1 percent or more, Estate of Wm. O. Allison, deceased, Englewood, N. J.; Estate of John L. Riker, deceased, New York, N. Y. That the known bondholders, mortgagees and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities are:—Not any. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company, but also in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association or corporation has any interest, direct or indirect, in the said stock, bonds or other securities than as so stated by him.

(Signed) Harry J. Schnell, Business Manager.

Sworn to and subscribed before me this 24th day of September, 1940.

(Signed) Frank C. Lehning, Notary Public.

(My commission expires March 30, 1942.)

Chemurgy and the Dairy Industry

By F. C. Atwood

President, Atlantic Research Associates, Inc.

Paper presented at Mid-American Chemurgic Conference September 17, 1940

Continued from September 30 issue

From now on, I will tell you something about this transformer and its research as it applies to the milk industry. I believe that more scientific thinking and planning has taken place in the dairy industry, on the farm, at the creameries, and pasteurizing plants, and in the milk company laboratories, than in any other single American industry. Its history speaks for itself. Health and milk have become an old story to the average American. Yet this story can be written only because of intense research directed toward the health angle all the way from the farm to the consumer.

By-Products Betterment Sought

Just as impressive and engaging as the milk industry's battle for purity, high quality, and low cost distribution is the present-day story of dairy research to discover new uses and new markets for milk and all its by-products. It has been said that packinghouse research was responsible for the saving of all packinghouse by-products except the squeal. I hope we can sometime say our dairy science research can save all the milk values as well as the cow who gives the milk. It does not need to create a new raw material out of the air. It needs, primarily, the cooperative efforts of everyone having anything to do with the milk industry directed toward the better utilization of milk and its by-products. It means making higher quality products and simpler and more efficient methods for production of these products, so that they can be profitably used by the smaller and less centralized units in the industry.

Dairy industry research is very important to our national economy. It is directed to the very vital and basic chemurgic problem of increasing farm cash income for that branch of American agriculture which even now produces the largest single source of farm cash income each year. More important still is the fact that cash income from milk is the steadiest source of cash the farmer has, and it is received by him monthly and not at the end of the season. Therefore, he can use this cash for current purchases of merchandise and supplies. Milk cash farm income was twelve percent ahead of last year for the first seven months of this year with indications it will continue to run higher than 1939 during the remainder of this year.

So you see that dairy products research has a real nationalistic goal quite apart from the urge of enlightened self-interest on the part of those engaging in it. More than that is the moral satisfaction of solving our own problem by our own efforts.

Our dairy problem consists in raising the cash value of over one hundred billion pounds of milk per year from twenty-five million cows. The cows require 2,500,000 farmers for their care. The milk is handled by 250,000 workers for processing, manufacturing, and delivering that milk in hundreds of plants, thousands of cities, and millions of homes. So huge is this industry and so vast its scope that National Dairy Products Corporation, the largest dairy corporation in the world, handles a scant eleven percent of all the output of America's cows. There are few industries in the nation today in which the largest units sell so small a percentage of the industry's total output.

Raw Material Supply Large

Right here it might be pointed out that dairy industry research has very directly increased the use of milk for cheese making. Cheese utilizes 2,500,000,000 quarts of milk. It is probably the oldest manufactured food known to man. The Roman legions carried a ration of cheese on their campaigns because of its concentrated food value. A generation ago our consumption of cheese was around three pounds a person per year. Today it is nearly six pounds. This is a direct result of applying science to cheese making.

However, it is well known that after all the present standard cash uses of milk are supplied, there are fifty billion pounds of skim milk left over. That is the raw material for our chemurgic problem. The solids in this amount of milk contain 1,500,000,000 pounds of casein, 2,500,000,000 pounds of lactose, 250,000,000 pounds of milk albumin and large amounts of valuable vitamins and salts. The present cash return to the farmer for the above values is almost negligible because the skim milk used for cash return is not included. Careful study of the chemical value of these assets reveals the urgent necessity of finding more profitable markets for skim milk. They also indicate little requirement to produce new synthetic products of many kinds which can be supplied by better utilization of these raw materials already at hand.

To find such uses is the continuing challenge which confronts the dairy industry. As Thomas H. McInnerney, president of National Dairy Products Corporation, has pointed out:—

> The importance to farmers of finding commercial markets for skim milk scarcely cannot be overemphasized. It is true that the dairy industry has already made real progress in discovering additional markets for this product. Today, nearly twenty percent of the skim milk available is being successfully converted into a variety of products, compared with a commercial use of only three to four percent as recently as 1920. A five-fold increase in skim milk markets in two decades is notable, but finding still larger markets is a continuing challenge to our industry's research scientists.

The exhibit before you indicates in a general way what present commercial uses of skim milk and whey are. Many of these uses are as human food. Skim milk powder in numerous forms is increasing in use. You may have noted recent huge purchases by the British Purchasing Commission. Bakers use large quantities. It is used in many other food products.

Whey Food Value Praised

Powdered whey, too, is a rich source of vital food elements, being high in lactose, protein, mineral and vitamin G content. Practical recognition was given to the value of powdered whey by the 1940 Byrd Antarctic Expedition. In their food supply specially prepared whey-containing foods held a prominent place. For example, they took along a pea soup made with whey powder. Also, a sort of breakfast food made of powdered potatoes and skim milk and salt which has good keeping properties. Further, to satisfy the sweet tooth, they packed along caramels and fudge containing twenty-five percent whey solids, replacing that much sugar and corn syrup. They are considered far superior to ordinary candies in food value.

With the aid of science, the cow, man's best friend, has also added wine to her long list of accomplishments. A chance development at National Dairy's Sealtest laboratories in Baltimore, the wine resulted from scientific effort to find better industrial uses for whey. Whey is a milk by-product left over from cheese and casein manufacture. Not marketable today, the wine can be made into either a sherry or sauterne type, with an alcoholic content of about fifteen percent by volume.

Finding additional commercial uses for whey has long been the goal of the dairy industry. Annually, 3,000,000,000 quarts of whey are left over from cheese manufacture and about 1,000,000,000 quarts from casein manufacture. Whey wine of this character is best made from the cheese residue. Whey, high in mineral and riboflavin content, is now manufactured in powdered form for animal feeds and in other forms for use in the pharmacetical industry. A whey beverage has long been the dream of the dairy industry. As yet, however, no commercial whey beverage, either alcoholic or non-alcoholic, has been successfully marketed in volume.

Important Commercial Products

Lactose is now made and sold in small quantities. It is about the finest sugar nature provides us for food purposes. But we are disturbed at its lack of sweetness and low solubility. It tends to make ice cream sandy. So we import large quantities of cane sugar for use in ice cream, in candy, and in baking. Yet lactose can be converted into more soluble and sweeter sugars—from two to three times as sweet as lactose—so there is hope we may still use the sugar which is truly nature's own.

Lactic acid when highly purified may be converted into several resins. One of these is polymethacrylate, a very rubber-like resin which is crystal clear and water white. Other resins are hard and highly resistant. It is conceivable they might be used as a lining for food containers.

A beautifully colored metal compact or belt buckle are examples of another unusual use of milk. This time milk-derived lactates are added to a plating bath in which metal articles of all types may be immersed. The current is turned on and, thanks to the combination of lactates, electricity and timing, any desired color can be achieved.

Leather tanners have found lactic acid a useful adjunct in their tanning and dyeing process. Many hands are covered with gloves which owe their beauty partly to the cow. Lactic acid is also used in fruit extracts, syrups, textile printing, in pharmacy, plastics, candies, carbonated beverages and brines.

In the pharmaceutical industry milk by-products have found ready acceptance. Milk derived protein and calcium, together with vitamin D, are available in the form of "Darical" wafers. Also, riboflavin, a milk substance, plays an important part in preparations where vitamin G content is desired.

Casein Uses Discussed

Casein is quite familiar to you. It has been too familiar to most of us. We have not realized that what is sold as casein is usually a compromise or blend of a material of greatly varying quality. It is to be expected that users of casein have many varied and weird formulas. It is further evidence that as yet the principal use for casein is for paper coating, where the consumer can manipulate his formula on large quantities and get fair results.

Casein paints made little headway until paste paints were developed. The paint quality could be controlled by adjusting the formula as the paste paint was made and so insure a more uniform product whereas in powder paints the quality is determined by the casein which may vary greatly in desired requirements.

Beautiful plastics may be made from casein. But the major portion of high-quality plastics from casein have been imported from abroad. One plant in Esthonia, for example, until recently, made 6,000 pounds per day of high-quality plastics, eighty-five percent of which were exported, part of which came to this country. High-quality casein held up production in this country.

The newest and perhaps most spectacular potential use for casein is represented by what is as yet known as casein wool. You may have seen in news items that my own company has been working on this product. It is still premature for me to say anything about it, except that we are testing the product out in many classes of goods.

The Italians have had a similar product, so have the Poles, the Dutch, the Germans, and the Japanese. All of these people used a special casein. Even so, attempts to sell their product in this country failed because we have no need for substitute products in this country and any new product must have merit in its own right. The foreign casein wools do not stand up to American textile processes and methods. If and when such a product is put on the market for general sale in this country, it will have to withstand all the rough treatment that our textile fibres stand and have values in its own right.

Whatever the use through which we wish to increase the consumption of casein, we need better and more uniform material. To make this better product without seriously increasing the cost of production and to allow small creameries to make high-quality casein, new equipment and new methods are required. Such equipment and methods may soon be available as one of the means for increasing the utilization of more skim milk for chemurgic products.

I could detail more accomplishments of the dairy industry scientists, but the picture is at least outlined. We have abundance of good raw materials to work with; we have made real progress in recent years; and we intend to make more in the future. Today, it is the large dairy organizations which have the financial and scientific resources, and, most of all, the foresight to appreciate that new markets for milk are an imperative need.

Chemical Workers Status Defined by Draft Board

OPD Washington Bureau September 30, 1940

Skilled workers in the drug and chemical industries will probably be deferred under the draft law until such time as they can be replaced, even though their jobs are not necessary to the national defense, it has been announced by the selective service board.

According to the conscription law, no one except Federal and local officials and men already in the armed forces will be permanently exempt from the draft. Three classes were listed as deferred, or groups whose call has been temporarily postponed: employees essential in their occupations, men with dependents, and persons with physical disabilities.

Subject to approval by the selective service director, the first deferred group containing essential men includes two sections: men necessary to the peacetime economy of the nation who have no connection with educational defense, and those whose work is connected with national defense.

An essential employee was defined as one whose removal would result in direct, substantial material loss and detriment to the effectiveness of the industry or the occupation, or to an activity contributing to the national well-being, because the available supply of persons competent in his capacity is such that he can not be replaced.

Power to grant deferments has been placed in the hands of thousands of local civilian draft boards. To decide if a man is necessary to his industry, they will ask the employer for his opinion, but they need not follow his advice.

The local board will defer a skilled worker if he can not be replaced immediately, and in cases where if he were called, the work of other men would be impeded.

The deferment lasts only six months, after which the local board will discuss the question again, and if the situation is the same the employee will be deferred for another six months. But if another man has been found to take his place, or if his job has been changed, he will be put on the active list, subject to immediate call. A man must report any change of status to the board within five days.

The selective service board advised industries to conduct personnel surveys and take immediate steps to prepare understudies for all key men in the draft age group. If an industry does not attempt to get the replacements, local boards may decide not to defer the employee any longer.

The central selective service board merely has advisory power over local draft boards. The central board will recommend that deferments be on a uniform basis, but they can do nothing if, for example, a New Hampshire board defers a worker in a certain occupation, whereas a California board drafts a man in the same occupation.

Government appeals agents will carry appeals from local board decisions to an appropriate court, but for all practical purposes, the stand of the local board will be final.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 172, Oil, Paint and Drug Reporter.

IF YOU can offer pigments, vegetable oils or other raw materials for sale in the State of Ohio, please address BOX 181, Oil, Paint and Drug Reporter.

SELLING AGENTS interested in an additional volume line, on commission basis, territory, New Brunswick, Trenton, N. J.; Easton, Bethlehem, Allentown, Reading, Pa. Address P. O. BOX 151, Trenton, N. J.

Agents Wanted

SALES REPRESENTATIVES wanted in Cincinnati, St. Louis, Cleveland, Detroit, Pittsburg, other territories to sell aromatic chemicals to flavoring, soap, perfumery, essential oil, pharmaceutical, etc., trades. Representatives must have unimpeachable reputations and established contacts. BOX 169, Oil, Paint and Drug Reporter.

REPRESENTATION WANTED in Chicago and environs who must have knowledge of essential oils, flavors and compounds. Will only reply to answers stating confidentially age, experience, present or previous employment. BOX 176, Oil, Paint and Drug Reporter.

AGENTS WANTED—The manufacturers of "Shorts" (the new cap type rubber sheath for men) have openings in several territories for agents who detail the drug stores regularly and who can get the wholesalers to cooperate in handling drug store orders which the agent produces. Those known and experienced in such trade in the territories they now cover and wanting an additional item on liberal commission basis should communicate with Lorica Laboratories, Inc., 150 Bay street, Jersey City, N. J.

Businesses Wanted

INTERESTED in buying dry color manufacturing, importing, exporting or jobbing business. BOX 170, Oil, Paint and Drug Reporter.

Capital Offered

I WILL finance on permanent partnership or profit-sharing basis the manufacture of profitable chemical or pharmaceutical product having ready market and not requiring initial large investment in equipment. BOX 177, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two Abbe 40-gal. pebble mills; one 1,000-gal. ball mill, motor driven; three Patterson 1,000-gal. mixing tanks; one Day jumbo jacketed mixer, 180 gals.; three 500-gal. Day steel jacketed mixing kettles; five Ross 26 in. stone mills, iron mill feeds; five Day 100 to 1,200 pound powder mixers; jar mills, 1 to 10 gals.; pony mixers; Shriver wood and iron filter presses 12 in. to 36 in. square; copper vacuum pans 60 to 200 gals.; colloid mills; only partial list. Send for bulletin. Brill Equipment Corporation, 183 Varick street, New York.

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FOR SALE—Proctor & Schwartz atmospheric tray dryer, 2,400 sq. ft.; Gordon 2-truck dryer; Oliver 3 ft. x ½ ft. lab. rotary filter; No. 7 and No. 10 Sweetland filters; two Anderson expellers, motor driven; four 7 x 5 ft. pebble mills; 9 x 24, 12x30 and 16x40 in. 3 roll mills; 3x8 ft. rotary steam tube dryer; No. 27 and No. 30 Devine vacuum shelf dryers; No. 00, No. 0 and No. 1 Raymond Mills; Gruendler 50 H.P. hammer mill; Stedman 42-inch disintegrator; three 900 gal. closed, jack., agitated kettles; 32-in. copper basket centrifugal; 36-in. copper coating pan; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; powder mixers; tablet machines, ½-in. to 2½-in. single punch and rotary; filter presses to 36-in. sq.; disc filters; iron mills; portable agitators; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

JAR MILLS, 1 and 4 gallons; pebble mills, 50-100 gallons; filter presses, 18 in.; C. I., 24 in. wood; 300-gal. rubber-lined kettle; 200-gal. closed copper tanks; Skinner floor type heaters. Edw. W. Lawler, Metuchen, N. J.

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WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 171, Oil, Paint and Drug Reporter.

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FOR SALE—Fifty tons rhodonite; five tons ground zirconium oxide ore; five tons tantalite Brazilian; 100 tons wollastonite fluorescent minerals; optical crystals; Iceland spar; Brazilian quartz; halite; selenite; five hundred pounds gadolinite. BOX 182, Oil, Paint and Drug Reporter.

Positions Vacant

A1 SALESMAN wanted, familiar with paint and varnish manufacturing trades in Mississippi Valley from Memphis to Minneapolis. This position involves the sale of resins and mineral colors and experience in selling these products desirable but not essential if applicant is outstanding in other respects. None but A1 experienced men should apply. Starting salary commensurate with ability; prospects for advancement exceptional. Reply, giving experience, age and present or immediate past earnings. BOX 145, Oil, Paint and Drug Reporter.

EXPORT HOUSE has vacancy for young man with good knowledge of sources of supply of chemicals in its purchasing department. State past experience, age, starting salary. BOX 174, Oil, Paint and Drug Reporter.

MANUFACTURER of industrial finishes located in the east, desires services of a chemist with research formulation and control experience. One with experience in the formulation of glazing compounds and similar products preferred. In application state references, experience and salary expected. BOX 175, Oil, Paint and Drug Reporter.

SALESMAN wanted for the sale of mineral and other waxes, vaselines, etc., to large industries. State experience, background and references. BOX 183, Oil, Paint and Drug Reporter.

Positions Wanted

PRINTING and lithographic ink maker, color matcher. Specialties expert formulator. Thirty years ink factory experience, also experienced letter press printer and lithographer. Understand trouble shooting. BOX 173, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, B. Ch. E., 1940. Desires position with industrial firm in laboratory, production, or plant maintenance. Excellent technical training. Now employed in chemical consulting laboratory (1½ years). Location immaterial if prospects good. BOX 178, Oil, Paint and Drug Reporter.

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Antimony Sulphide:—200 pounds, Commanding Officer, Picatinny Arsenal, N. J.; procurement 817, opening October 11.

Cadmium Salts:—200 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 799, opening October 10.

Graphite:—3,000 pounds, Commanding Officer, Picatinny Arsenal, N. J.; procurement 823, opening October 14.

Green, Chrome:—30,000 pounds, in oil; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4381, opening October 10.

Lampblack:—10,000 pounds, in oil; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4381, opening October 10.

Magnesium, Powd.:—475 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 804, opening October 9.

Oil, Fuel:—150,000 barrels, for Pearl Harbor, T. H.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 900-3773, opening October 17.

Olticica:—10,000 gallons, for Mare Island, Cal.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3419, opening October 15.

Oil, Lubricating:—42,500 gallons; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3314, opening October 11.

Potassium Chlorate:—150 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 844, opening October 14.

Red, Para:—2,000 pounds, in oil; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4381, opening October 10.

Venetian:—5,000 pounds; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4381, opening October 10.

Sienna, Burnt:—2,000 pounds, in oil; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4381, opening October 10.

Sodium Hexametaphosphate:—2,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 426, opening October 11.

Phosphate, Tribasic: — 2,275 pounds, Chemical Warfare Service, Edgewood Arsenal, Md.; circular 426, opening October 11.

Strontium Nitrate, Anhyd:—950 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 805, opening October 9.

Superphosphate:—20,000 tons, for Oregon and Washington; Division of Purchase, Department of Agriculture, Washington, D. C.; invitation 570, opening October 10.

Titanium-Barium Pigment:—10,000 pounds; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4381, opening October 10.

Trichlorethylene:—2,500 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 820, opening October 11.

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Petroleum Resins, Inc., has been organized in Los Angeles, with 2,500 shares of no par value capital stock. Directors are:—Neal M. Anderson, of Long Beach, Calif.; R. E. Campbell, of Beverly Hills, Calif., and L. W. Zimmerman, of Los Angeles.

Index to Advertisements

Advance Solvents & Chemical Corp... 64
Alabama Charcoal Co.....30A
Alexander, Jerome..... 54
Allied Asphalt & Mineral Corp..... —
American Agricultural Chem. Co..... —
American-British Chem. Supplies, Inc. 38
American Can Co..... —
American Chemical Co., Inc..... 48
Amer. Cyanamid & Chem. Corp..... —
American Flange & Mfg. Co., Inc.... —
American Potash & Chemical Corp.. —
Anderson Prichard Oil Corp..... —
Angus, W. W., Inc..... —
Apex Chemical Co., Inc..... —
Asbestos Corp. of America..... —
Association of Consulting Chemists and Chemical Engineers, Inc..... 54
Atlantic Coast Fisheries Corp. of N.Y. 48
Atlantic Refining Co..... —
Ayrton Chemical Co..... —
Baker, J. T., Chemical Co..... 1
Barium & Chemicals, Inc.....30A
Barium Reduction Corp..... 28
Barrett Company.....36, 57
Bemis Bro. Bag Co..... 30
Benzol Products Co..... 48
Binney & Smith Co..... —
Bradley, A. J., Mfg. Co..... 41
Brighton Copper Works..... —
Brode Corp., The..... 44
Bromund, E. A., Co..... 45
Bureau of Chemistry..... 54
Burke, Edw. S..... —
Bush, W. J., & Co., Inc..... 53
Calco Chemical Div..... 39
Calif. Fruit Growers Exchange..... 64
Capital City Products Co..... —
Carbide & Carbon Chemicals Corp.... —
Carey, The Philip Co..... 48
Chaplain & Bibbo, Inc..... —
Chemical Solvents, C. P., Inc..... 64
Chew, John A., Inc..... 2
Chilean Nitrate Sales Corp..... 58
Chipman, R. N., Co., Inc.....30A
Church & Dwight Co..... 28
Climax Molybdenum Co..... —
Colgate-Palmolive-Peet Co..... 48
Colledge, E. W., General Sales Agent. 42
Colton, Arthur, Co..... —
Columbia Alkali Corp..... —
Commercial Solvents Corp..... 1
Consolidated Products Co., Inc..... 62
Consumers Import Co., Inc..... 48
Continental Can Co..... —
Crosby Naval Stores, Inc..... 40
Crown Can Co..... —
Crown Oil Prods. Corp..... 44
Darling & Co..... —
Desert Chemical Co.....30A
Dewey & Almy Chemical Co..... 41
Diamond Alkali Co..... 29
Dickhart, W. H..... 54
Dodge & Olcott Co..... 53
Doggett, Stanley, Inc..... —
Douglass Sulphur Co..... —
Dow Chemical Co..... —
Dunkel, Paul A., & Co., Inc..... —
Dupont de Nemours, E. I., & Co., Inc.. 1
Durez Plastics & Chemicals, Inc..... 25
Eastman Kodak Co..... 49
Edwal Laboratories, Inc..... —
Ehrlich, J..... 54
Electro Bleaching Gas Co..... —
Ellis-Foster Co..... 54
Emery Industries, Inc..... —
Felton Chemical Co..... 52
Fezandie & Sperrle..... —
First Machinery Corp..... 62
Food Research Laboratories, Inc..... 54
France, Campbell & Darling..... —
Frank-Vliet Co., Inc..... 51
Franks Chemical Products Co..... 40
Freeport Sulphur Co..... —
Fritzsche Bros., Inc.....52, 55
Fulton Bag & Cotton Mills..... 57
General Chemical Co..... —
General Drug Co..... —
General Dyestuff Corp..... —
General Electric Co..... 25
Gesell, R., Inc..... 50
Givaudan-Delawanna, Inc..... —
Glycerine Producers Assn..... —
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 54
Greeff, R. W., & Co..... 47
Green Island Chemical Co..... 28
Gross, A., & Co..... 43
Gruman, J. B., Co..... —
Hallowell, Horace J..... 54
Hardesty, W. C., Co., Inc..... 43
Heekin Can Co..... —
Heyden Chemical Corp..... —
Holt, C. J., & Co., Inc..... 54
Hooker Electrochemical Co..... —
Hopkins, J. L., & Co..... 51
Horn, Jefferys, & Co..... 41
Huisking, Chas. L., & Co., Inc..... —
Hutchinson, D. W., & Co., Inc..... 53
Imperial Paper & Color Corp..... 41
Independent Mfg. Co..... 43
Industrial Consulting Labs., Inc..... 54
Innis, Speiden & Co..... 13
International Pulp Co..... 41
International Selling Corp..... —
Irvington Smelting & Refining Works. 28
Jackle, Frank R..... 57
Jones & Laughlin Steel Corp..... 38
Jungmann & Co., Inc..... 31
Kachurin Drug Co..... —
Kelco Co..... 51
Kentucky Color & Chemical Co..... 42
Kessler Chemical Co..... 47
Knight, B. H..... 54
Koppers Co..... 37
Krebs Pigment & Color Corp..... —
Laning, E. M., Co..... 54
LaWall & Harrisson..... 54
Leghorn Trading Co..... 48
Lemke, B. L., Fine & Rare Chemicals.. —
Leonhard, Theodor, Wax Co., Inc..... 45
Luaces, E. L., & Associates..... 54
Lueders, George, & Co..... —
Magnetic Pigment Co..... —
Magnus, Mabee & Reynard, Inc..... 53
Mallinckrodt Chemical Works..... —
Mantrose Corp..... —
Marine Magnesium Products Corp.... —
Mathieson Alkali Works, Inc..... —
Mathieu, A. H., & Co..... —
McKesson & Robbins, Inc..... 49
Merck & Co., Inc.....32, 33
Metasap Chemical Co..... —
Meyer, Herman, Drug Co., Inc..... 48
Michigan Alkali Co..... 6
Miel, George A..... 54
Miller Laboratories..... 49
Mills, Zophar, Inc..... —
Molnar Laboratories..... 54
Monsanto Chemical Co..... 46
Munch, James C..... 54
Mutual Chemical Co. of America..... 35
National Aniline & Chemical Co., Inc. —
National Box & Lumber Co..... —
National Carbon Co., Inc..... —
National Lead Co..... 14
National Milk Sugar Co..... 48
National Rosin Oil & Size Co..... —
Natural Products Refining Co..... 35
Neuberg Chemical Corp..... 9
Neville Co..... —
New Jersey Zinc Co..... 23
Newport Industries, Inc..... 63
N. Y. Quinine & Chem. Works, Inc.. —
Niacet Chemicals Corp..... 35
Niagara Alkali Corp..... —
Oldbury Electro-Chemical Co..... —
Orbis Products Corp..... 53
Orthmann Laboratories, Inc..... 54
Osborn, C. J., & Co..... 40
Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... 40
Paramet Chemical Corp..... 39
Parsons, M. W..... 48
Paul, Edw. P., & Co., Inc.....30A
Penick, S. B., & Co..... 50
Pennsylvania Coal Products Co..... 48
Pennsylvania Industrial Chem. Corp.. 41
Pennsylvania Refining Co..... —
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... 30
Pfizer, Chas., & Co., Inc..... 27
Phelps Dodge Refining Co..... —
Philadelphia Quartz Co..... —
Philipp Bros., Inc..... —
Polachek, Z. H..... 54
Potash Co. of America..... —
Pressed Steel Tank Co..... 63
Prior Chemical Corp..... 1
Procter & Gamble.....43, 48
Publicker Commercial Alcohol Co.... —
Purdy, W. S., Co., Inc..... 54
Pure Calcium Products Division..... —
Raisch, John E., & Co..... 54
Recorder Chemical Co..... —
Reed-Blair Laboratories..... 54
Reichhold Chemicals, Inc..... —
Republic Steel Corp..... —
Rheem Mfg. Co..... —
Robinson Wagner Co..... 50
Rosenthal, H. H. Co., Inc..... 64
Rufert Chemical Co..... 55
Sadtler, Samuel P., & Son, Inc..... 54
St. Joseph Lead Co..... —
Schuylkill Chemical Co..... 64
Schwarz Laboratories, Inc..... 54
Seil, Putt & Rusby, Inc..... 54
Shell Oil Co..... 56
Sherwood Petroleum Co., Inc..... 55
Sidlee Laboratories..... 54
Skelly Oil Co..... —
Smith, Kline & French Labs..... 49
Snell, Foster D., Inc..... 54
Socony-Vacuum Oil Co., Inc..... —
Solvay Sales Corp..... 11
Sonneborn, L., Sons., Inc..... 64
Sparkler Mfg. Co..... 42
Standard Oil Co. of Calif..... 55
Standard Specialty & Tube Co..... —
Standard Ultramarine Co..... 42
Stauffer Chemical Co.....30A
Stillman & Van Siclen, Inc..... 54
Stillwell & Gladding..... 54
Stroock & Wittenberg Corp..... —
Sun Oil Co..... —
Taintor Trading Co., Inc..... —
Tamms Silica Co..... —
Tar & Chemical Div. of Koppers Co.. 37
Tennessee Corp..... 30
Texas Gulf & Sulphur Co., Inc..... 57
Thompson-Hayward Chemical Co....30A
Thornton, The F. C., Co..... —
Thurston & Braidich..... 51
Titanium Pigment Corp..... —
Todd, A. M., & Co..... —
Tombarel Products Corp..... —
Truesdale Laboratories..... 54
Turner, Joseph, & Co..... 28
Union Carbide & Carbon Corp..... —
U. S. Industrial Chemicals, Inc.....17, 18
United States Potash Co..... —
Vanderbilt, R. T., Co., Inc..... 40
Victor Chemical Works.....30A
Viking Distributing Co..... —
Virginia-Carolina Chemical Corp..... —
Vitro Mfg. Co.....30A
Vorce, L. D..... 54
Wah Chang Trading Corp..... 43
Warner Chemical Co..... —
Wecoline Products, Inc..... —
Weiss & Downs, Inc..... 54
Wet Ground Mica Assn., Inc..... —
White, H. Kirk, & Co., Inc..... 54
White Tar Co. of N. J..... 37
Wiley & Co., Inc..... 54
Will & Baumer Candle Co., Inc..... —
Williams, C. K., & Co..... —
Wishnick-Tumpeer, Inc..... —
Woburn Degreasing Co. of N. J..... —
Wolf, Jacques, & Co..... —
Wood Preserving Corp..... 37
Wood Ridge Mfg. Div..... 49
Zophar Mills, Inc..... —

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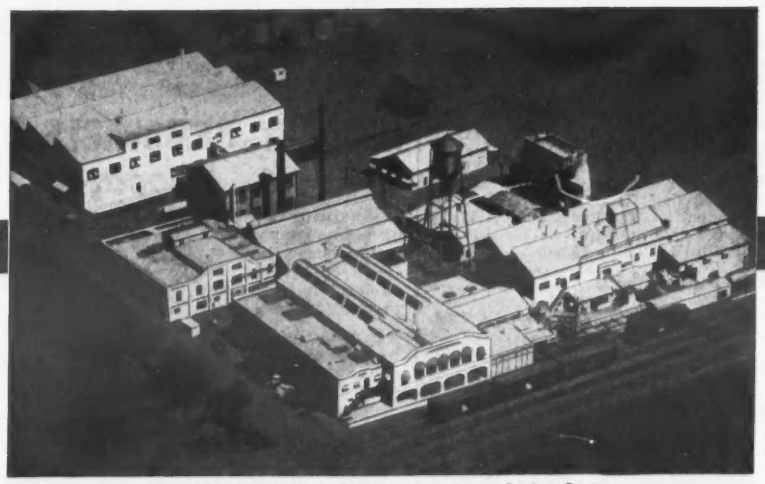

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